Oil, Paint and Drug Reporter

The Chemical Market Authority Since 1871

Volume 158 No. 8 | 30 Church Street, New York 7, N. Y. | August 21, 1950

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SEP 5 '50

Volume 158 No. 8 | 30 Church Street, New York 7, N. Y. | August 21, 1950

Mint Crop Production Seen Smaller in 1950

The Department of Agriculture has estimated 1950 production of the commercial mint crop for oil at 2,104,000 pounds, of which 1,583,000 pounds is peppermint and 521,000 is spearmint. The estimate was based on conditions as of August 1 and indicates a 3 percent reduction from last year's output of 2,168,000 pounds but 37 percent greater than the ten-year average of 1,541,000 pounds.

The spearmint crop is expected to be 9 percent smaller than last year, while peppermint will be 1 percent less. The smaller mint crop is attributed to less acreage and lower acreage yields this year than last in Indiana, the largest producing state. Both Michigan and Oregon have slightly smaller acreages this year but expected higher yields this year more than offset this. In Washington, both acreages and average yields are expected to be greater than last year.

Comparison with 1949

This year's estimated production, in pounds of oil, as compared with actual production last year, was reported as follows:—

	1950	1949
Peppermint:		
Indiana	429.000	551.000
Michigan	270,000	200.000
Ohio	.....	.....
California	.....	.....
Oregon	619.000	609.000
Washington	265.000	235,000
Total	1.583.000	1.595.000
Spearmint:		
Indiana	310.000	393.000
Michigan	211,000	180.000
California	.....	.....
Total	521.000	573.000
Grand total	2.104.000	2.168.000

ECA Closes Loophole In Marshall Plan Rules

The Economic Cooperation Administration moved last week to close a loophole in its regulations which has permitted foreign supplies of chemicals and drugs upon reaching the United States to be re-exported to other Marshall plan countries with financial aid of ECA.

Under a new ruling that becomes effective September 1, a supplier must certify that ECA-financed goods shipped from the dollar areas did not originate in Europe unless a European country is listed on the ECA procurement authorization as the source of the goods.

ECA explained that there have been cases where drugs and chemicals were shipped from Europe to the United States and re-exported to Europe under a procurement authorization specifying the United States as the source. Although such transactions have always been contrary to ECA financing policies, they have been technically eligible for ECA financing under present provisions of ECA regulation 1, which governs Marshall plan procurement procedures. The ruling announced today, as amendment 4 to regulation 1, defines ECA policy and removes the loophole in the language of the regulation.

Method of Payment

Under the new ruling, a Marshall plan country purchasing commodities of European origin will have to buy them directly, paying for them in European

—*Continued on page 74*

Antibiotics Rules Revised

Further changes were announced last week by the Federal Food and Drug Administration in regulations covering the certification of antibiotics to conform the regulations to the newest developments in the production of penicillin and streptomycin products.

The order provides for certication of procaine penicillin vaginal suppositories, dihydrostreptomycin ointment, and crystalline penicillin O (sodium and potassium), and for revocation of the requirement that the labels of ephedrine penicillin tablets shall bear a statement that the drugs should be administered only by a physician, dentist, or veterinarian.

The marketing of penicillin tablets containing two or more sulfonamides was authorized by FDA. The authorization was contained in a revision of its antibiotics regulations providing for the certification of such products. The order was effective with its publication in the *Federal Register*, August 15.

Price Trend at 1949 Level

Price-advancing continued over a wide area in the markets for chemicals and related materials last week. Seven of the ten major market divisions were moved to higher averages; none was lowered. The overall index number was advanced 1.1 points, which put it at the same figure as it was in the corresponding week last year (reduced to full exactness, it was 0.03 point higher). Eight of the divisions are now above their 1949 levels, the exceptions being textile and leather chemicals and paint and varnish materials.

Last week saw a strong revival of price activity among nonferrous metals. Tin was boosted high, but came down a little later in the week. Its average gave a boost to tin salts. Lead got a raise, carrying up also its oxides, nitrate, and whites and leaded zinc oxide. Copper was nervous; an advance will come when congress repeals the exemption from import tax.

Other heavy chemicals affected by the prevalent price trend included sodium molybdate, stannate, and USP citrate, calcium nitrate, aluminum chloride, barytes, and food-grade phosphoric acid. Ammonium thiocyanate was raised by one producer; others will follow.

The organic areas were hit by advances in toluol and xylol, metacresol and tricresyl phosphate, tartaric acid and tartrates, triacetin, technical acetanilide, and cellulose acetate-butyrate.

Advances were made in nineteen imported essential oils; reductions in two domestic products. Menthol got a big raise. Botanical drugs, growing scarce, were heavy on the upside; condiments were quiet and closely divided in price movements. Four edible and six industrial vegetable oils were advanced. So were copra, carnauba wax, and sardine oils. Oilseed meals and packinghouse byproducts were the only groups going to lower levels. Casein, sago flour, shellac, and valonia were upped.

Scarcities are getting more serious. Scares are becoming more influential on buying practices. "Resale" prices are taking on 1945 aspects with reference to some materials, of which soda ash is an outstanding example. The scarcity of that commodity is pinching off production of a number of important materials; sodium phosphates have got quite tight, phosphorus also being on the scarce side. Nickel salts are much sought after. All "big" acids are in inadequate supply; so are many coaltar bases, which are one of the several important groups cut down by "we-won't-work" tactics.

OPD Price Index

The Oil, Paint and Drug Reporter's relative record of prices for chemicals and related materials is currently as follows:—

Aug. 18, 1950	Aug. 11, 1950	Dec. 30, 1949	Aug. 19, 1949
129.2	128.1	124.8	129.2

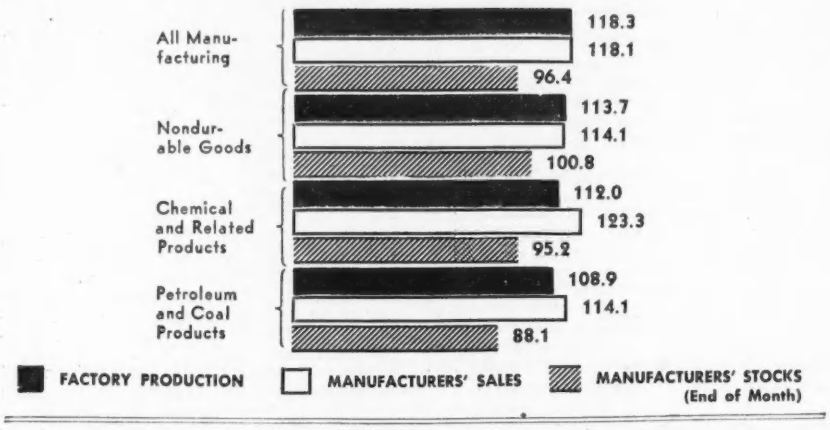
The base of the OPD Price Index is the average of prices in 1926 and 1936, those years representing extremes of price undulations in the interwar period.

OPD Index Monthly Averages

	1950	1949	1947	1946	1941
January	123.2	142.0	150.9	135.3	107.3
February	121.3	140.4	151.9	135.4	110.3
March	121.8	137.6	154.9	135.2	111.9
April	121.0	133.6	152.3	134.9	115.5
May	120.6	131.2	146.1	135.1	118.2
June	120.7	128.7	143.9	135.4	121.9
July	122.8	128.1	142.5	137.7	123.5

Business in June, 1950

100=Same Month in 1949



Synthetic Rubber Use Moves Up During June

Absolute and proportionate increases in United States consumption of GR-S and reclaimed rubber in the manufacture of both transportation and non-transport goods during June were reported last week by the Department of Commerce.

June consumption in long tons of the several types of rubber in transportation and non-transport segments follows:—

Type of rubber	Transportation	Non-transport
Natural latex	257	4,002
Natural, dry	42,684	16,390
GR-S, U.S. Govt. only	25,410	9,704
Other S-type*		2,142
Butyl, U.S. Govt. only	4,972	316
Other butyl type†	717	
Neoprene	218	3,454
N-type	36	1,639
Total	74,294	37,647
Reclaim	12,239	13,014

* Imported and privately produced rubber.
† Imported rubber.

Patents Bill Signed

President Truman last week signed S. 2128 into law which will open the way for cancellation or modification of certain patent licenses under which the government was able to make use of inventions on a royalty free or reduced royalty basis during the last war.

In most instances, these grants were inspired by patriotic motives and were for the duration of the war. However, few if any of the patentees intended their grants to go beyond the period of actual hostilities. Since the United States is still in a state of war, special legislation was necessary to cancel or modify the agreements.

Texas City Tin Smelter Bill Sent to White House

Senate bill 3666 providing for a five-year extension of the government's authority to operate the Texas City tin smelter was sent to the President for his signature by congress last week, following approval by both the senate and house of the conference report on the measure.

The bill had been passed by the house with an amendment stating that in operation of the plant the authority should be exercised with due regard to the public interest in the maintenance of domestic smelting of Western Hemisphere tin ores and concentrates by American private enterprise. In the conference committee, the house yielded from its amendment and the final bill was in the form as originally passed by the senate.

The house conferees explained it was to be expected that the authority would be exercised with due regard to the public interest but in view of the present situation our primary interest is to guarantee an adequate supply of tin to meet the needs of national security and the government should continue to seek necessary supplies of tin ores and concentrates wherever they are available.

NSRB Aid Sworn In

Robert J. Smith, former president of Pioneer Air Lines, Inc., was sworn in August 14 as vice-chairman of the National Security Resources Board. The oath was administered by board chairman W. Stuart Symington in brief ceremonies held in the office of the chairman.

Fertilizer World Output Forecast Higher in '50

Worldwide production of fertilizers for the 1950-51 season was predicted at 13,593,000 metric tons of total plant nutrients last week by the Food and Agricultural Organization. This is an increase of 857,000 tons over 1949-50 production and compares with 11,698,000 tons for the 1948-49 season.

Consumption in the 1950-51 season was forecast at 13,446,000 tons as compared with 12,414,000 tons for the year just ended, and 11,457,000 tons for the 1948-49 year. The increase in 1950-51 over 1949-50 amounts to about 7 percent both in production and consumption.

According to present estimates, nitrogen production in the coming season will total 3,868,450 metric tons, compared with 3,737,990 tons in 1949-50, and 3,310,900 tons in 1948-49. Consumption is expected to be 3,886,910 tons, against 3,548,570 tons last season and 3,123,240 tons in 1948-49.

Production of superphosphate is estimated at 4,345,690 metric tons of P_2O_5, compared with 4,137,140 tons in 1949-50 and 4,055,660 tons in 1948-49. Total phosphoric acid output, excluding phosphate rock, is expected to be 5,651,210 tons of P_2O_5, against 5,289,520 tons last season, and 5,130,260 tons the year before. Phosphoric acid consumption is estimated at 5,647,790 tons of P_2O_5, compared with 5,263,040 tons in 1949-50, and 5,052,820 tons in 1948-49.

Production of potash is expected to reach 4,094,080 tons of K_2O, compared with 3,718,580 tons last season, and 3,256,910 tons in 1948-49. Consumption is estimated at 3,911,360 tons of K_2O, against 3,601,790 tons in 1949-50, and 3,280,840 in the year before.

U.S. Expands List of Items Considered for Tariff Cuts

A second supplemental list of United States imports which will be considered for tariff concessions at the third round of tariff-cutting talks, to be held September 28 at Torquay, England, was announced last week by the Department of State.

Hearings on the list will be held by the committee for reciprocity information on September 25. The closing date for the submission of briefs is September 14, and the final date for notifying the committee that a personal appearance at the hearing is to be made is September 7.

Under the chemicals schedule heading the following products with their proper identifying paragraph numbers from the tariff act of 1930 have been added:—

Paragraph 17—material preparations (other than calomel, corrosive sublimate, and red mercuric oxide).

Paragraph 24—flavoring extracts, natural or synthetic fruit flavors, fruit esters, oils, and essences, all the foregoing and their combinations when containing alcohol.

Paragraph 28 (b)—synthetic indigo, color index no. 1177, and sulphur black, color index no. 978.

Paragraph 54—soybean oil.

Paragraph 66—enamel paints consisting of pigments or colors ground in with or mixed with varnish, not specifically provided for.

Paragraph 67—barytes ores whether crude or unmanufactured or ground or otherwise manufactured.

Paragraph 92—tonka beans.

ECA Announces Additional Procurement Authorizations

Among the new procurement authorizations issued to Marshall plan countries by the Economic Cooperation Administration during the period August 11-17 were the following:—

To France—$16,000 for whale oil and fish oils from the United States and $300,000 for copper from Canada.

To Greece—$500,000 for tinplate, terneplate and blackplate from the United States.

To Netherlands—$130,000 for chemicals from the United States and $45,000 for nonferrous ores and concentrates from Latin America.

To Norway—$1,315,000 for petroleum from the United States.

To United Kingdom—$200,000 for wood rosin and $60,000 for other naval stores products from the United States.

Dressings Standards Published By FSA

The Federal Security Agency last week issued new standards of identity for French dressing and salad dressing which prohibit the use of polyoxyethylene derivatives as emulsifying agents in the manufacture of these products. This was in line with the policy adopted by the agency in the standards it established for the manufacture of bread, rolls and buns (OPD, 8/14/50).

The agency also turned down requests that the optional ingredients statement for mayonnaise, French dressing and salad dressing be enlarged to include a number of antioxidants in the chemical field, because of lack of evidence to show which, if any, have been demonstrated by adequate testing to be harmless; banned the use of ascorbic acid and mineral oil, and denied requests that tartaric acids and lactic acids be designated as optional acidifying ingredients for dressings.

The official definitions and standards of identity for the three products were published in the *Federal Register*, August 12, together with announcement that after ninety days all of these products moving in interstate commerce or imported into the United States must comply with the new standards of composition and labeling.

FDA Outlines Requirements

The Food and Drug Administration outlined the official requirements as follows:—

"All must contain a specified minimum of vegetable oil—mayonnaise, 65 percent; french dressing, 35 percent, and salad dressing, 30 percent. Mineral oil is not permitted. Label statement of the specific vegetable oils used is not required.

"The acids which may be used in dressings include any vinegar, lemon or lime juice. Citric acid as such may be used with vinegar but the quantity is limited to 25 percent of the acetic acid in the vinegar. A label statement of its addition is required.

"Spices, monosodium glutamate, and harmless food seasoning or flavoring are permitted, except for any that impart to mayonnaise or salad dressing a color simulating egg-yolk color. Tomato paste and puree, catsup, and sherry wine are optional for french dressing. The dressings may all be seasoned with salt, sugar, syrup, or honey.

"The emulsifying agent for mayonnaise is limited to liquid or frozen whole eggs or egg yolks, or a mixture of any of these with liquid or frozen egg white.

Optional Ingredients Allowed

"French dressing may be emulsified by not more than 0.75 percent by weight of the following optional ingredients:—gum acacia or gum arabic, carob bean gum or locust bean gum, guar gum, gum karaya, gum tragacanth, extract of Irish moss, pectin, propylene glycol ester of alginic acid, sodium carboxmethylcellulose, egg yolk, or any mixture of these.

"Salad dressing contains not less than the equivalent of 4 percent liquid egg yolks and a cooked starchy paste prepared with food starches or flours to which water may be added. It may also contain not more than 0.75 percent of the optional emulsifiers permitted in french dressing, if the label declares such addition."

The public hearing to receive evidence on which these definitions and standards of identity are based was held November 17, 1947, to January 13, 1948.

Salad Dressing Output In 1949 Shows Increase

Estimated production of salad dressing, mayonnaise and related products during 1949 reached approximately 89,200,000 gallons, or 3 percent greater than the revised 1948 production, according to the Office of Industry and Commerce of the Department of Commerce.

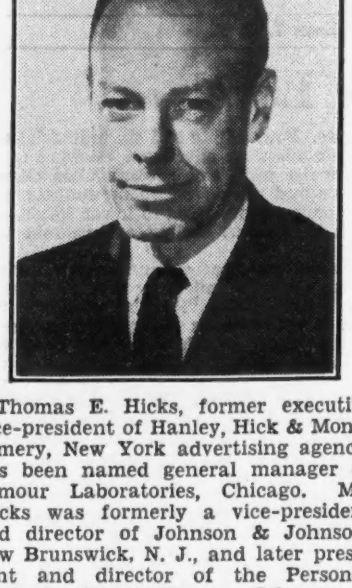
Estimated volume of production of mayonnaise, salad dressing and related products in 1949 follows:—

	Gallons.
Salad dressing	42,400,000
Mayonnaise	34,300,000
Sandwich spread	7,000,000
French dressing	4,400,000
Other	1,100,000
Total	89,200,000

Kenrich Cuts Plasticizers

Kenrich Corporation, New York, has effected reductions of 4 cents to 7 cents per pound on drum-lot prices of the firm's "Kenflex" line of plasticizers. The move was attributed to lower manufacturing costs stemming from increased production.

Armour Labs Head



Thomas E. Hicks, former executive vice-president of Hanley, Hick & Montgomery, New York advertising agency, has been named general manager of Armour Laboratories, Chicago. Mr. Hicks was formerly a vice-president and director of Johnson & Johnson, New Brunswick, N. J., and later president and director of the Personal Products Corporation, a Johnson & Johnson subsidiary. In his new post he will direct the manufacture and distribution of ACTH and other Armour pharmaceuticals, including insulin, adrenal, thyroid, liver and pituitary preparations.

Freight Absorption Practices Hearing Set for August 24

The "watch-dog" subcommittee of the senate interstate commerce committee, appointed last June by Chairman Edwin C. Johnson of Colorado to keep check on developments in the field of government regulation of freight absorption practices of industry, has scheduled a meeting for August 24.

Chairman James A. Mead of the Federal Trade Commission has been asked to appear before the committee at that time to report on happenings in connection with this subject since President Truman's veto of the O'Mahoney freight absorption bill, S. 1008.

At the time the "watch-dog" committee was formed, Senator Johnson stated that he was requesting FTC to submit copies of all orders, decisions, briefs, pleadings and other papers which would be filed in any of the pending cases referred to by the President in his veto message. He also submitted a long list of questions of policy to Chairman Mead. The forthcoming hearings will deal with the papers referred to and the answers given by Mr. Mead to Senator Johnson's question.

Fine Organics Sets Up Aviation-Industrial Div.

To permit the company to enter the industrial and motor fleet market, Fine Organics, Inc., New York, has set up an aviation-industrial division, replacing its aviation chemicals division. The new unit will continue under the direction of John B. Moore, who has been named general sales manager of aviation and industrial chemical sales.

At the same time, the concern announced the appointment of Arthur K. Meyer Company, Los Angeles, Calif., to represent Fine Organics in Los Angeles county. In addition, Charles H. Cadiz, formerly superintendent of maintenance of TACA Airways, has joined the firm as southern sales representative. Mr. Cadiz will make his headquarters in New Orleans, La.

Harshaw Raises Anhydrous Aluminum Chloride Price

Harshaw Chemical Company, Cleveland, Ohio, on behalf of its affiliates, the New York Ohio Chemical Company and Nyotex Chemical Company, has announced an advance of one cent per pound in anhydrous aluminum chloride. The new schedule calls for 12 cents per pound, carload, and 12½ cents, l.c.l., at the works. The move was attributed to increased production costs stemming from the recent advance in secondary aluminum metal.

Safety Code Proposed By Industry Commttee

The committee on labor-management cooperation for safety of the President's Conference on Industrial Safety has published a code of proposed rules. Aimed at showing the importance of labor-management cooperation, the committee's statement on safety principles is as follows:—

"1. Safety primarily is the legal and moral obligation of the employer. The employer must have a sincere and continuing interest in providing for the safety of employees. This interest is demonstated by:—

(a) The initiation of a sound safety program with the policies, procedures and staff necessary to make it effective.

(b) The provision of safe working conditions, machinery and equipment and personal safety protective devices and apparel where necessary.

(c) The development of effective training programs for supervisors and employees.

(d) The encouragement of employee interest and participation by making available channels through which employees may offer suggestions, advice and recommendations for the improvement of safety.

Management must have the authority necessary to carry out its responsibility. No steps should be taken which create confusion and uncertainty as to management's responsibility and authority.

"2. Cooperation in the safety program is the moral obligation of each individual employee. This is demonstrated by:—

(a) Working safely at his job.

(b) Having regard at all times for the safety of fellow employees.

(c) Using his knowledge and influence to prevent accidents.

(d) Calling attention to unsafe conditions.

(e) Contributing his ideas, suggestions and recommendations for the improvement of safety.

"3. In unionized plants the welfare of the employees places upon the labor union a moral obligation to cooperate in accident prevention, within the framework of its agreed-upon participation. This is demonstrated by:—

(a) Taking its agreed part in the safety program in the plant.

(b) Using its influence in encouraging the employees it represents to work safely.

(c) Promoting accident prevention through its publications, union meetings and educational courses, with emphasis not only upon plant safety, but also with due regard to safety in the home, on the highway, and in other activities outside the plant.

Ethyl Corp. to Build New Antiknock Plants

Ethyl Corporation, New York, has announced plans to begin immediate construction on new manufacturing units near Houston, Tex. The new construction, designed to increase Ethyl's output of antiknock compounds, is scheduled for completion by the end of 1951.

The company's Houston operations will be integrated with all principal chemicals manufactured on the site, thus making it an independent source of antiknock compounds for oil refiners. Salt brine will be piped from local wells for the manufacture of sodium and chlorine, and petroleum hydrocarbons will be piped from nearby oil refineries for the manufacture of ethyl chloride and ethylene dichloride.

Staley to Construct New Soybean Processing Plant

Plans for construction at Painesville, Ohio, of a modern soybean processing plant with a daily capacity of 10,000 bushels have been announced by A. E. Staley Manufacturing Company, Decatur, Ill.

The new plant will use the solvent extraction process and will replace an older expeller plant which the company has operated at Painesville since 1939. It will have 25 percent more capacity than the existing facilities. Actual construction work is expected to start in January or February, with completion scheduled for the fall of 1951.

Houghton Buys Plant

Houghton Laboratories, Inc., Olean, N. Y., has purchased a new plant at Smethport, Pa. Formerly the property of Susquehanna Chemical Company, this new plant will be used for the production of the "Hysol" series of protective coatings, according to Russell M. Houghton, president.

In This Issue

Alphacellulose Plant Due in '51 58
Antibiotics Rules Revised 3
Arapahoe Has New Price List 53
ASTM Studies Air Pollution 7
Beal Heads USDA Insecticide Div 7
Bodeker Promotes Two 58
Body Bros. Organized 58
Bristol Advances Todt 52
Chemists Club Closed 7
Cosmetic Chemists Shifts Meeting 7
Crotonaldehyde Bulletin Offered 53
Del Castillo & Co. Named Usnic Acid Agent. 56
Detergent Bibliography Available 55
Downs Gets Monsanto Purchasing Post 7
Drug 'Codification' Bill Flaw Studied 5
Du Pont Transfers Ryker 43
Eaton & Co. Packages New Rodenticide 43
ECA Authorizes More Procurement 3
ECA Closes Loophole in Marshall Rules 3
Edwal Has Diallylamine 7
Farchan Has New Price List 58
Fatty Acids Data Published 73
FDA Multiple Seizure Cub Proposed 5
Fertilizer Tag Sales: July 42
Fertilizer World Output Forecast Higher 3
General Aniline Appoints Nine 46
Geological Survey Opens Denver Office 43
German Resins Data Translated 68
Gov't Sells Surplus Aluminum Units 7
Graphite Mine Mapped 68
Gregg Joins Advance Solvents 67
Hall Labs Publishes Water Data 43
Huber Has Expansion Program 39
Ind. Standard Names Adams, Thiele 7
Insecticides for Sale by U. S. 43
Ketchum Buys Out Drug Wholesaler 75
Kodak Subsidiary Appoints Spencer 46
Koppers Names Volkmann, Jones 7
Krewer & Yunker Formed 73
Leather Show Scheduled 7
Luckman Architect Again 7
Mathieson Names Alfriend 58
MCA Plant Safety Headed by Wuertz 7
Mint Crop Output Seen Smaller 3
Monsanto Dedicates Plant 58
Morton-Withers Introduces Plasticizers 68
NACA Maps September Program 7
NPC Names Oil Transport Subcommittees .. 7
NPVLA Adds Two Counsels 68
NSRB Aid Sworn In 3
OIC Amends Export Rules 7
Oil Traders to Golf 7
Paint Colors Coordination System Shown .. 67
Patents Bill Signed 3
Penick Issues Rodenticide Booklet 43
Phosphate Coatings Data Offered 67
Plax Corp. Issues Folder 68
Porter Gets Ayer Post 74
Quaker Oats to Build Furfural Plant 7
Research Bibliographies On Sale 46
Sodium Dispersions Bulletin Offered 53
Solvent Recovery System Developed 52
SPE to Award Prizes for Papers 7
Steel Shipping Barrels Output: June 46
Stills Tax Exemption Made 53
Synth. Fuel Plant Near Completion 5
Synthetic Rubber Use Up in June 3
Texas City Tin Smelter Bill to Truman 3
Tidelands Bill Backed by US Agencies 7
Trujillo City Alcohol Plant in Operation ... 55
US Expands Torquay List 3
Winthrop-Stearns Asks Injunction 56

General Features

Advertising Index 75
Association Meeting Dates 7
Bids Wanted 40
Book Reviews 34
Classified Advertisements 74
Coke By-Products 44
Consulting Chemists and Engineers 59
Crude Oil Stocks 41
Current Market Quotations 9
Editorials 34
Foreign Market Lists 5
Foreign Sales Leads 5
Imports 54
Imports Detained 61
Obituaries 59
OPD Price Index 3
Trade Briefs 51, 52, 67
Uses and Application of Chemicals 57
Washington Talks It Over 5
Who Has It 4

Market Reports

Agricultural Chemicals 42
Botanical Drugs, Spices, Gums 61
Coaltar Chemicals 44
Drugs and Fine Chemicals 49
Essential Oils, Other Aromatics 63
Fertilizer Materials (see Agric. Chem.)
Heavy Chemicals 37
Oils, Fats and Waxes 69
Petroleum Derivatives 41
Protective Coating Materials 65
Textile and Leather Chemicals 47

Cortisone Price Cut

Merck & Co., Rahway, N. J., has reduced the price of cortisone from $95 to $50 per gram, effective today. The original price, when it was first offered a year ago, was $200 a gram.

Who Has It?

Inquiries in the OPD editorial office seek sources from which the materials listed below can be obtained. Information will be gratefully received here:—

Alpha - alphadimethylalphacarbobutoxydihydrogammapyrone.

Ethylhexanediol-1, 3.

Methylcyclopentanone.

Trihexylphenidyl - 3 - (1-piperidyl)-phenyl-1-cyclohexyl-1-propanol hydrochloride.

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Tidelands Bill Backed By 2 U. S. Agencies

Approval was given last week by the Department of the Interior and the Department of Justice to the O'Mahoney resolution (SJ Res. 195) for interim operation by the government of the oil-rich tidelands, pending settlement of the basic issues involved in the dispute by congress and the courts.

In separate reports to the senate interior committee, the two agencies said that their only objection to the legislation was to its provisions validating leases made prior to January 21, 1948. Both agencies suggested that the cut-off date be fixed at June 23, 1947, the date of the decision of the Supreme Court of the United States in the California tidelands case.

The resolution states that the Department of the Interior shall have authority to issue leases for development of the oil fields in the continental shelf, and any royalties and rentals received therefrom shall be held in the treasury pending later distribution.

Representatives of the states strongly opposed the bill, claiming that instead of maintaining the situation in status quo it amounts to a back-door attempt by the federal government to grab off the tidelands. They contended that once the money was deposited in the federal treasury they would never get it, because it could only be disbursed by an act of congress.

Representatives of the oil companies stated that they had no objection to the resolution provided a clause was inserted that would guarantee the validity of the present leases. They were fearful that the Interior department might cancel the leases that had been issued by the states, and all the benefits of the development work would be given to someone else.

Senator Joseph O'Mahoney of Wyoming told the industry witnesses, however, that he was unable to give assurances that such a clause in the resolution would be acceptable because in his estimation it would amount to a pre-judging of the legality of the leases. In view of this statement, passage of the resolution appears doubtful at this session.

Foreign Sales Leads

Anyone interested in supplying the following inquiries with goods or information can get the full address of the inquirer by communicating — not by telephone, please—with the OPD office:—

Antibiotics, Fort, Colombo, Ceylon (GA-14, agency); Lyons, France (GA-15, agency).

Cosmetics, Lisbon, Portugal (GA-10).

Deodorants and disinfectants, Lisbon, Portugal (GA-10).

Drugs, Lisbon, Portugal (GA-10); Fort, Colombo, Ceylon (GA-14, agency).

Dyes, Rangoon, Burma (GA-13, agency).

Essential oils, Genova, Italy (GA-1).

Fats and oils: vegetable (for soap industry) Genoa, Italy (GA-1); animal, fish and vegetable, including linseed, soybean, peanut, palm kernel, whale, codliver oils, and tallow, Hamburg, Germany (GA-8).

Fertilizer chemicals, Como, Italy (GA-2, agency).

Gums, arabic and other, Lisbon, Portugal (GA-10).

Industrial chemicals, Lisbon, Portugal (GA-10); Rangoon, Burma (GA-13, agency); soap, textile, tanning, and match industries, Guatemala (GA-17, agency).

Licorice root extractor, Latakia, Syria (GA-11).

Medicinal specialties, Brussels, Belgium (GA-12, agency); Turin, Italy (GA-19, agency).

Oil seeds, Genova, Italy (GA-1).

Paints, Lisbon, Portugal (GA-10); Rangoon, Burma (GA-13, agency); Guatemala, (GA-16, agency).

Paraffins, Lisbon, Portugal (GA-10).

Perfumes, Lisbon, Portugal (GA-10).

Pharmaceutical materials, including vitamins, amino acids, reagents, Mannheim/Waldhof, Germany (GA-7); Guatemala (GA-16, agency).

Pigments (for inks, varnishes, etc.) Florence, Italy (GA-3).

Plant and chemicals for pharmaceutical and cosmetic industries, Buenos Aires, Argentina (GA-20, agency).

Protective coatings materials, Gebles, France (GA-6, agency).

Rubber chemicals, Valencia, Spain (GA-4, agency).

Sulphur dioxide gas and dry ice plant equipment, Slave Island, Ceylon (GA-5).

Synthetic resins for varnishes, and vinyl for phonograph records, Genoa, Italy (GA-18, agency).

Synthetic rubber materials, including neoprene, vistanex and thiokol, Sumiyoshi-ku, Japan (GA-9).

Varnishes, Begles, France (GA-6, agency); Lisbon, Portugal (GA-10).

Leather Show Sept. 6-7

Tanners Council of America, sponsor of the semi-annual leather show, has scheduled the event for September 6 and 7 at the Waldorf-Astoria hotel, New York. Ninety-two producers of shoe upper leathers have signified their intentions of taking booths at the show.

Washington Talks It Over

By Ralph L. Cherry

Ever since it became apparent that the Korean war would force the government to exercise controls over the distribution of scarce materials, something akin to a cat-and-dog fight has been going on among the departments over who was going to control what when it comes time to slice the materials pie. It's the same old argument that comes up every time some new authority is provided for that presumably could come within the jurisdiction of any of two or more agencies.

The principals in the current squabbling have been Secretary of Agriculture Charles Brannan, Secretary of Commerce Charles Sawyer, and Secretary of the Interior Oscar Chapman. Brannan claimed the right to control distribution of tin because agriculture has the biggest interest at stake—making certain that there was sufficient tin allotted to can the food crop. Chapman wanted controls over nonferrous metals and iron and steel because of the close association of his department to the metals problems. Sawyer said that the authority should rest with his department because after all it boils down to a business management problem and his department represents business.

President Truman has had to step in to settle the arguments and generally he has sided with Chapman. Brannan will get pretty much what the War Foods Administration had during World War II. Interior will have the fuels, including petroleum. Commerce will get the other products, including nonferrous metals and iron and steel. ICC will get transportation. And the Federal Reserve will get the credit curbs.

Telephone Scheme of REA

A year or less ago congress authorized the Rural Electrification Administration to go into the business of financially aiding the extension of telephone service in rural areas. Presumably it was to meet a great demand for this service that could not be met by private industry. At least that was the impression gained when the legislation was passed.

However, the believers in this theory of government assistance didn't reckon with REA. Far from acting as though its purpose is just to fill the gaps that can't be filled by private industry—in other words a modest program of meeting necessities—REA acts as though it has a mission to perform, and that is to sell telephone communication to the rural areas.

This has been made plain in an exhibit prepared by REA that is now making the rounds of state fairs. The exhibit is a personal appeal to every visitor to the fair to start the ball rolling for REA-financed telephone service. Through a battery of telephones attached to the exhibit, listeners are told that REA can now make loans for expansion and improvement of rural telephone service and are urged to talk to their neighbors and form a committee to explore the possibilities of such loans.

In the light of the present financial difficulties of the government and many taxpayers, it would seem that this is one place where a little curtailment of activity wouldn't hurt too much.

Supplying Military Goods

The Munitions Board wishes that businessmen seeking military contracts or wanting to participate in planning for military production would visit the field offices of the three military departments before coming to Washington. While the military services appreciate the offers of assistance, the influx of visitors, correspondence, and telephone calls tend to slow the departments in efforts to get an expanded procurement program under way.

It is not necessary to come to Washington. In most cases it is a waste of both time and money. The army, the navy, and the air force have field offices throughout the country which will continue to do most of the buying as in the past. Information on military contract bids and awards is now available at Department of Commerce field and cooperating offices throughout the country. Those who want subcontracts should go directly to those who have been awarded prime contracts.

Hubert E. Howard, chairman of the Munitions Board, states that procurement under the expanded military program will be carried out in accordance with existing procedures. No changes in these are planned, and businessmen should follow the same methods of bidding for contracts or obtaining information that they have in the past.

Materials Control Plan

Secretary of Commerce Sawyer is moving ahead quickly to get the administrative machinery in readiness to handle the materials controls program and has been holding almost daily conferences with industry representatives on various problems likely to arise. The plan is to set up a Defense Production Administration within the department headed by an administrator with undersecretary status.

Variaus commodity groups or units will be formed within the agency to handle the actual control operations. Another group will be established to do the planning.

—Continued on page 34

Quaker Oats to Build Omaha Furfural Plant

Quaker Oats Company, Chicago, has announced plans to start immediate construction of a furfural plant in Omaha, Neb. The new unit, which is scheduled to get into production by the end of next year, will be similar to Quaker's furfural plant at Memphis, Tenn., purchased by the company in 1946 for approximately $1,500,000.

Unlike the Memphis operation, the Omaha plant will not contain a power plant. Processed steam and power, instead, will be provided by the Omaha Public Power District. The Omaha unit, the fifteenth major plant in the Quaker organization, will be located on a five-acre site South of the Jones street power plant and backing up to the Union Pacific embankment to the river bridge.

Furfural, which has been produced by Quaker Oats since 1922, is derived from the processing of agricultural wastes such as corn cobs, oat hulls, cotton seed hulls and rice hulls. It finds its principal uses in the manufacturing of nylon, refining of lubricating oils, production of synthetic resins, processing of diesel fuel, and the refining of butadiene for the production of synthetic rubber.

Foreign Market Lists

Lists of foreign outlets for chemicals and related materials and consumers goods, recently compiled by the Commercial Intelligence division of the United States Department of Commerce, include the following, which are available from the division at $1 a list for any one country:—

Medicinal and toilet preparation importers; dealers—Morocco.

Paint and varnish importers, dealers—Brazil.

Tanneries—Mexico.

Government Sells Surplus Aluminum Producing Units

The General Services Administration last week halted all further sales of government surplus properties pending a re-screening for defense needs. The freeze order applies to war plants and supplies, equipment and material, civilian and military, regardless of previous authority for disposal. Property which is perishable or dangerous to public health and safety is exempt.

At the same time, Department of Defense Munitions Board announced the sale of government surplus aluminum-producing equipment from idle plants at Riverbank, Calif., and Burlington, N. J., to four firms. The transaction was expected to boost American production of the metal by 100 000 tons per year.

The sale, which was believed by the trade to involve a total of $2,300,000, was authorized by the board on condition that production with the additional equipment be started up within a year. In some cases, it was stated, operations may get under way by next March.

Purchasers included the Apex Smelting Company, Chicago, Ill., and Harvey Machine Company, Torrance, Calif., two newcomers to the primary aluminum business, and Reynolds Metals Company and the Kaiser Chemical & Aluminum Corporation, two established producers.

Edwal Has Diallylamine In Pilot Plant Amounts

Edwal Laboratories, Inc., Ringwood, Ill., is currently offering diallylamine in pilot plant quantities. The material, which has the chemical properties of a secondary amine and is highly reactive because of double bonds, is said to have application as a pharmaceutical and resin intermediate and in organic synthesis.

Drug 'Codification' Bill Flaw Studied in House

A special rule was granted last week by the house rules committee for consideration of the food and drug "codification" bill (H. R. 9158). An effort to slip the measure through the house on the "unanimous consent" calendar ran into a snag a week ago and it became necessary to obtain a special rule for its consideration on the floor.

As reported three weeks ago by the house judiciary committee, the bill was described as simply a recodification of the various laws relating to food and drugs. But on subsequent close examination of its provisions, it was found by the Food and Drug Administration that a substantive change was proposed to be made in existing law that would open the records of drug manufacturers to inspection of FDA agents.

This change in the law is understood to have been suggested to the house judiciary committee — and accepted by that group — by a representative of FDA without the knowledge of the top policy makers. While FDA has no objection to being given authority by congress to inspect the records of manufacturers, it recognized that this was a fundamental question of law enforcement that should not be made without an opportunity for industry to be heard.

Delete Word 'Records'

When the importance of the proposed change was brought to the attention of the house committee, it agreed last week that the word "records" should be deleted from the bill before its passage by the house and it is prepared to offer an amendment to this effect when the bill comes up on the floor.

Just when the house will act on the bill is problematical, however, in spite of the rule being granted that clears the way for its consideration. It is understood that a number of other fundamental changes has been uncovered to existing law about which there has been no notification given to the industries that would be affected. Most of these changes are in the food sections of the food, drug and cosmetic act.

FDA Multiple Seizure Powers Curb Proposed

Legislation which would sharply curb the powers of the Food and Drug Administration to make multiple seizures of misbranded products was introduced in the house last week by Representative Clyde Doyle of California. The bill (H. R. 9466) was referred to the house interstate commerce committee.

The measure is the outgrowth of recent court action against manufacturers of "Neutrilite" which was seized by FDA on grounds that certain literature used in selling the food product misbranded it to the extent that it became "misleading to the injury or damage of the purchaser." While a three-judge constitutional court sharply criticized FDA and held that such multiple seizures were unconstitutional, the Supreme Court of the United States later reversed the decision.

Mr. Doyle's amendment to the food, drug and cosmetic act would allow multiple seizures of misbranded articles only in cases where the product or its labeling has already been judicially found to be misbranded, or where there is probable cause to believe that the product is dangerous to health. Multiple seizures because the labeling of the misbranded article is fraudulent, or because the labeling is misleading to the injury or damage of the purchaser, would be prohibited by the bill.

Synthetic Fuel Plant Near Completion in Mo.

Completion of the major construction contract on the Bureau of Mines gas-synthesis demonstration plant at Louisiana, Mo., a unit that will convert coal to oil by a modified Fischer-Tropsch process at the rate of eighty to 100 barrels per day, was announced last week by Secretary of the Interior Oscar L. Chapman.

First of its type in this country, the plant was built under the bureau's synthetic liquid fuels research and development program to translate laboratory data into cost and engineering information directly useful to industry in planning, building, and operating commercial-scale installations (5,000 or more barrels daily). Koppers Company, Pittsburgh, Pa., held the $4,915,000 design and construction contract, now completed.

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Association Meetings

Affiliated Drug Stores, New Yorker hotel, New York, October 1-5.

American Association of Textile Chemists and Colorists, Portsmouth, N H., September 28-30.

American Bar Association, Food, Drug and Cosmetic Law Division, annual meeting, Federal Security Agency auditorium, Washington. D C. September 18-22.

American Council of Commercial Laboratories, Waldorf-Astoria, New York, November 14-15.

American Gas Association, Atlantic City, October 2-6.

American Institute of Chemical Engineers, Neal House, Columbus, Ohio, December 3-6.

American Oil Chemists Society, Sir Francis Drake hotel, San Francisco, September 26-28.

American Petroleum Institute, Biltmore and Ambassador hotels, Los Angeles, November 13-16

American Pharmaceutical Manufacturers' Association, Boca Raton, Fla., April 2-4, 1951; Greenbrier, White Sulphur Springs, W. Va., March 26-28, 1952.

American Society for Testing Materials, spring meeting and committee week, Cincinnati, Ohio, March 5-9, 1951; annual meeting, Atlantic City, N. J., June 18-22, 1951; spring meeting and committee week, Cleveland, Ohio, March 3-7, 1952; annual meeting, New York, N. Y., June 23-27, 1952.

American Soybean Association, Springfield armory, Springfield, Ill., August 28-30

Associated Chain Drug Stores, New Yorker hotel, New York, September 24-27

Association of Consulting Chemists & Chemical engineers, annual meeting, Shelburne hotel, New York, October 24.

Chemical Specialties Manufacturers Association, New Yorker hotel, New York, December 3-5.

Congress of the International Union of Leather Chemists Societies, London, September 10-13 1951

Drug, Chemical and Allied Trades Section, New York Board of Trade, annual meeting, Shawnee Inn, Shawnee-on-Delaware, Pa., September 21-23

Federal Wholesale Druggists Association, Greenbrier hotel, White Sulphur Springs, W Va., October 23-25

Federation of Paint and Varnish Production Clubs, Congress hotel, Chicago, November 9-11

National Agricultural Chemicals Association, Essex and Sussex hotel, Spring Lake, N. J., September 6-8.

National Association of Retail Druggists, Long Beach, Calif., October 15-21.

National Butane-Propane Association, Hollenden hotel, Cleveland, September 18-19

National Chemical Exposition, Coliseum, Chicago, September 5-9.

National Foreign Trade Council, annual convention, Waldorf-Astoria hotel, New York, October 31-November 1.

National Lubricating Grease Institute, Edgewater Beach hotel, Chicago, October 30-November 1

National Paint, Varnish and Lacquer Association, Fairmont hotel, San Francisco, November 15-18

National Safety Congress, Chicago, October 18-20.

National Wholesale Druggists Association, Waldorf-Astoria hotel, New York, September 18-20.

Packaging Institute, annual forum, Commodore hotel, New York, October 23-25

Pharmaceutical Council of Greater New York, drug show and exhibit, Statler hotel, New York, September 25-27.

Plant Maintenance Show, Auditorium, Cleveland, Ohio, January 15-18, 1951.

Society of Cosmetic Chemists, fall meeting, Biltmore hotel, New York, December 5.

Society of Plastics Engineers, national technical conference, Statler hotel, New York, January 18-20, 1951.

Society of the Plastics Industry, annual meeting, New Ocean House, Swampscott, Mass., October 18-20

Society of Rheology, New Yorker hotel, New York, November 3-4

Synthetic Organic Chemical Manufacturers Association, Commodore hotel, New York, September 15; annual meeting, Commodore hotel, New York, December 13.

ASTM Studies Air Pollution

The American Society for Testing Materials has formed a new technical committee on sampling and analysis of atmospheric pollution, with Dr. Louis C. McCabe, chief of air and stream pollution of the Bureau of Mines as chairman. In authorizing the committee, the society said it will not consider the problems of specifying limitation of pollution, nor such other related matters as biological and health programs.

Oil Traders to Golf

Oil Trades Association of New York has scheduled a golf outing on August 22 at the Pelham Country Club. Luncheon will be served from noon to 2 p.m., and dinner at 7:30 p.m. Golf prizes will be awarded following the dinner.

Chemists Club Closed

The Chemists Club, 52 East Forty-first street, New York, closes today for staff vacations. Service, which will be suspended for a two-week period, will resume on September 5.

OIC Curbs Exports To Russia Satellites

Revision of the general export licensing procedure, to tighten controls over small shipments of controlled commodities to Russia and her satellites, was announced last week by the Office of Industry and Commerce of the Department of Commerce.

Effective August 18, shipments of all items on the export control positive list to fourteen areas will require validated licenses regardless of the value of the shipments. The fourteen areas to which the new provisions apply are Albania, Bulgaria, China, Czechoslovakia, Estonia, Russian zone of Germany, Hungary, Latvia, Lithuania, Manchuria, North Korea, Poland and Danzig, Romania, and the USSR.

License applications received under the new procedure will be screened in the same manner as the review currently given applications for larger shipments of controlled commodities to these destinations.

At the same time, OIC announced that, effective immediately, additional destination controls have been placed on exports of eleven petroleum products. As a result, validated export licenses will now be required for shipment of the products to all destinations except Canada. Formerly they could be exported to any destination within the Western Hemisphere without licenses. The eleven products are:—

Natural gasoline; topped crude oil and other unfinished oils for further refining; red and pale oils (including all red and pale lubricating oils, except those oils intended for use in internal combustion engines); other industrial lubricating oils; other automotive lubricating oils; other lubricating greases, except graphite; microcrystalline wax; unmanufactured petroleum asphalt; petroleum asphalt manufactures and petroleum products, n.e.s., except finished petroleum sprays and finished blended gasoline.

Also effective immediately, the dollar value limits for general license export of the following petroleum products have been reduced, except for shipments to Mexico:—Natural gasoline from $1,000 to $25; naphtha, mineral spirits, solvents, and other finished light products from $1,000 to $25; petroleum products, n.e.s., except finished petroleum sprays and finished gasoline from $100 to $25.

Exports of these products valued at less than the new dollar value limits may be made to all destinations without a validated license except to the Russian satellites.

Koppers Names Jones, Volkmann, to Research Posts

Koppers Company, Pittsburgh, Pa., has appointed Dr. E. W. Volkmann and Dr. F. L. Jones assistant manager of the research department. At the same time, the concern named Dr. K. J. Monacelli, recently appointed acting manager of the department's patents section, to the post of manager of that section.

Dr. Volkmann, who will be responsible for the laboratory and development section of the research department, joined a predecessor company of Koppers as a chemical engineer in 1926, leaving to complete postgraduate work. He returned to Koppers as an assistant technical director of the tar and chemical division in 1934 and has been associated with the research department since 1940.

Dr. Jones, who will supervise the research administration and patents section of the department, taught for some time at the City College of New York and at Columbia University. He became director of chemical research for the Bausch & Lomb Optical Company in 1940, and joined Koppers in 1948 as business manager of the research department.

MCA Plant Safety Work To Be Headed by Wuertz

Alexander J. Wuertz, a chemist for E. I. du Pont de Nemours & Co., has retired after more than thirty-one years with the company. On September 15 he will take charge of the plant safety program of the Manufacturing Chemists Association, with headquarters in Washington. Mr. Wuertz joined du Pont in 1919 and for nearly a decade was associated with the company's pioneering work in developing dye-making processes at the organic chemicals department's Jackson Laboratory at Deepwater Point, N. J. At the time of his retirement he was a technical assistant in the department's Wilmington headquarters.

Gets Purchasing Post

Charles H. Downs, office manager at general headquarters of Monsanto Chemical Company, St. Louis, Mo., has been appointed assistant to the director of purchases and traffic, effective August 28. In his new post he will be responsible for additional purchasing activities brought on by the national emergency and by company expansion. Mr. Downs joined Monsanto in 1934, and went to the traffic department the following year, serving as clerk, claim agent, chief clerk and assistant traffic manager.

Ind. Standard Names Adams, Thiele to Research Posts

Standard Oil Company (Indiana), Chicago, has appointed E. W. Adams and E. W. Thiele associate directors of research. At the same time, the company abolished the title of assistant director of research, and appointed eight staff members to the newly-created position of division director.

Dr. Adams joined Standard in 1925 and became assistant director of research in 1945. Dr. Thiele came into the Standard research organization in 1925, and became assistant director of research in 1935.

The eight division directors and their new jobs are as follows:—A. L. Conn, pilot plants; J. B. Duckworth, automotive research; Nathan Fragen, all research activities in the field of chemical products; C. M. Loane, research on lubricants; J. E. Seebold, process design and economics; B. H. Shoemaker, exploratory studies in connection with the company's major products; E. B. Tucker, analytical research, and P. C. White, research on fuels and special products.

Beal Heads USDA Insect Study Division

Dr. James A. Beal has been selected to head the Department of Agriculture's division of forest insect investigations, effective today. Dr. Beal is returning to the department from the Duke University School of Forestry, where for the past eleven years he has taught forest entomology and conducted research on forest insect problems in the southeast. He succeeds Dr. F. C. Craighead, who retired from government service last May after having served for twenty-seven years as leader of the division of forest insect investigation.

Cosmetic Chemists Shift Meeting to December 5

To avoid a conflict with the meeting of the Toilet Goods Association, the Society of Cosmetic Chemists has changed the date of its Fall meeting from December 6 to December 5. The site of the gathering, the Biltmore hotel, New York, remains unchanged, as does the program, which will consist of a presentation and discussion of technical papers.

Luckman Architect Again

Charles Luckman, who resigned the presidency of Lever Brothers Company, New York, seven months ago, has joined W. L. Pereira, a Los Angeles, Calif., firm of architects and engineers. In making the move, Mr. Luckman, a registered architect since 1931, returns to the profession for which he was originally trained. The firm, which will be known as Pereira & Luckman, will continue to specialize in large commercial and institutional architecture and engineering.

NACA Sets Program For Sept. 6-8 Meeting

National Agricultural Chemicals Association has outlined the tentative program for its seventeenth annual meeting, to be held September 6 to 8 at the Essex and Sussex hotel, Spring Lake, N. J.

Balloting for election of the board of directors will take place on September 6. The morning session will be opened by an address by Ernest Hart, association president. Members will also receive a report from Lea S. Hitchner, NACA executive secretary-treasurer. Featured addresses at the morning session will be made by Avery S. Hoyt, chief of the Department of Agriculture's Bureau of Entomology and Plant Quarantine, and Charles Concannon, chief of the Department of Commerce's chemical division.

Committee meetings will be the business of the day on September 7. The information, technical advisory, lawyers and legislative committees will meet in the morning, while the traffic committee is scheduled for an afternoon session.

John D. Conner, NACA special counsel, will start off the September 8 session with a talk entitled, "Status of Residue Tolerance Hearing." Mercer Rowe, jr., of Flag Sulphur & Chemical Comany, will follow with an address. Highlight of the session will be a panel discussion on soil contamination, with Dr. Victor R. Boswell and Dr. S. A. Rowher, both of the Department of Agriculture, and Dr. Charles L. Smith, of the Ethyl Corporation, participating.

Following the panel will be an address on legislative procedure by J. M. George, executive secretary of the Interstate Manufacturers Association. Dr. Bernard E. Conley, of the American Medical Association, is the last major speaker on the program. The meeting will adjourn following reports of NACA standing committees.

Social activities will include golf and other sports on the afternoon of September 6, a dance that evening, a reception and dinner on the evening of September 7.

NPC Appoints Six Oil Transport Subcommittees

P. C. Spencer, chairman of the National Petroleum Council's committee on petroleum transportation, last week announced the appointment of six subcommittees to gather the facts regarding the adequacy of petroleum transportation facilities, in each of its separate forms, to meet the nation's needs. In addition, he named James E. Dyer, of Sinclair Oil Corporation, New York, secretary of the committee on petroleum transportation.

Following are the subcommittees named with their respective chairmen: — Petroleum barge and lake tanker transportation, Harry A. Gilbert, president, Oil Transfer Corporation, New York; natural gas pipe line transportation, J. French Robinson, president, East Ohio Gas Company, Cleveland, Ohio; petroleum pipe line (crude and products) transportation, W. R. Finney, pipe line advisor, Standard Oil Company (N. J.), New York; petroleum rail transportation, Fayette B. Dow, National Petroleum Association and Western Petroleum Refiners Association, Washington, D.C.; petroleum tanker transportation, James P. Patterson, vice-president, Pan American Petroleum & Transport Company, New York, and petroleum truck transportation, Lee R. Cowles, traffic manager, Standard Oil Company (Indiana), Chicago.

SPE to Award Prizes For Papers on Plastics

Society of Plastic Engineers will award prizes for the best 1950 papers of interest to the plastics industry. Papers must be original and must be submitted to a local section of the society by November 15. National awards are $200, first prize; $100, second prize, and $50, third prize. The three top papers will be presented at the annual national technical conference, sponsored by SPE, to be held January 18 to 20 at the Statler hotel, New York.

Henry M. Richardson, of DeBell & Richardson, and chairman of the 1950 prize paper contest of the society, has announced the following judges for the contest:—Chief judge, Gerald H. Mains, phenolic division, National Vulcanized Fibre Company, Kenneth Square, Pa.; Albert G. H. Dietz, Massachusetts Institute of Technology, Cambridge, Mass.; R. G. Chollar, The National Cash Register, Dayton, Ohio; Carl J. Frosch, Bell Telephone Laboratories, Inc., Murray Hill, N. J., and J. O. Reinecke, Chicago, Ill.

What kind of pups will they have?

Canine marriages sometimes produce strange off-spring. If the parents haven't pedigrees . . . all kinds of ancestors show up in the pups. To someone who just wants a dog to love, ears too long or tail too short matters not at all.

Not so in the process industry. There—all hob breaks loose if a batch comes out anything but what's expected. And with good reason. You know scientific production controls assure quality materials. And you expect your suppliers to maintain high standards of quality in their materials. For if the batch doesn't match, out it goes—and out go your profits, too!

In the production of Fatty Acids—intransigent standards and rigidly maintained chemical controls are absolute necessities. Reputation for quality Fatty Acids goes to the manufacturer who checks carefully and checks often. We have always done both.

From its beginning, we developed and shared in the development of many major advances in this industry. We have always stressed our production control methods and techniques. Today, every step in the manufacture of all our products is carefully checked by experts. Our chemical control engineers see to it that Woburn products meet the requirements needed by you in your business.

For Fatty Acids you know you can trust—place your next order with us.

WOBURN CHEMICAL CORP. [N.J.]

FATTY ACIDS, SPLIT AND DISTILLED
CASTOR • CHINAWOOD • COCOANUT • CONJULIN • COTTONSEED • DISTOLINE
HELIOLINE • ISOLINE • LAURIC • LINSEED • MARINE • PALM • SOYA • TALLOW
SYNTHETIC DRYING OILS, ESTERS AND PLASTICIZERS • ESTER GUMS AND ROSINS • PIGMENTS AND COLORS

1200 HARRISON AVENUE, KEARNY, NEW JERSEY • KEARNY 2-3300

SOYA FATTY ACIDS
All types of Soya Fatty Acids for alkyds, soaps, synthetic detergents, sulphonation, emulsifying agents, buffing compounds, waxes, polishes, putty and caulking compounds, adhesives, cutting oils.

WOBURN dependable PRODUCTS

Current Market Quotations

Chemicals and Related Materials

August 18, 1950

Unless otherwise indicated, listings are first-hand quotations on large lots, f.o.b. New York. Changes and trends are noted in the market reports, with other informative comment. The locations of these reports are given in the table of contents on page 4. The figures in the two columns do not represent bid and asked prices nor a range over the week. They are the quotations prevailing on the date above, on the basis of differences in one or more of these factors:—Quantity, quality, locality, individual supplier's views.

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A

Acacia (see Gum, arabic).
Acenaphthene, below 92.5 C., m.p., dms., works lb 40 - —
above 92.5 C. m.p. dms., works, lb. .50 - —
Acetaldehyde, 99% dms. c.l., frt. equald. lb. .12 - —
l.c.l., frt. equald. lb. .12¾ - —
tanks, frt. equald. lb. .10 - —
Acetaldol (see Aldol).
Acetamide, (ech. fib., dms ... lb 45 - —
Acetanilide tech. bbls., c.l., dlvd lb. .24½- —
l.c.l., ton lots lb. .25½- —
smaller lots lb. .28½- —
USP, bbls. 2,000-lb. lots lb .50 - —
smaller lots lb. .56 - —
Acetic anhydride dms. c.l. frt. alld. E lb. .14 - —
l.c.l., frt. alld. E lb. .15½- —
tanks, frt. alld. E lb. .12½- —
Acetoacetanilide, bbls., dlvd lb. .69½- —
fib. dms., c.l., dlvd lb. .68½- —
l.c.l., dlvd lb. .69½- —
Acetoacetorthoanisidide, fib dms., works 500 lbs. or more lb 1.50 - —
smaller lots same basis lb 1.75 - —
Acetoacetorthochloranilide, bbls., fib. dms., c.l., dlvd lb 1.15 - —
l.c.l., dlvd lb. 1.14 - —
Acetoacetorthotoluidide, bbls., dlvd lb. .74½- —
fib. dms., c.l., dlvd lb. .73½- —
l.c.l., dlvd lb. .74½- —
Acetone, CP dms. c.l., dlvd lb. .09¼- —
l.c.l., dlvd lb. .10 - —
tanks, dlvd lb. .07½- —
Methyl (see M).
Acetonitrile, dms., c.l., works lb. 43 - —
l.c.l. works lb. 45 - —
Acetophenetidin USP bbls., works, frt. equald lb. 1.10 1.33
Acetophenone, cns. dms lb 1.30 1.65
tech., l.c.l., dms., works lb. .75 - —
Acetoacetoparaphenetidide, dms., 500 lbs or more, works, lb. 1.65 - —
smaller lots same basis lb 1.90 - —
Acetyltributyl citrate, dms. lb. .43 - .45
smaller pkgs lb. .48 - .54
Acetyltriethyl citrate, dms. lb. .36 - .38
smaller pkgs lb. .41 - .47
Acid, abietic, com'l, dms., c.l., works lb. .10 - —
l.c.l., works lb. .1145- —
cryst., dms., c.l., works lb. .05½- —
l.c.l., works lb. .06 - .06½
Acetic, com'l or redist., 28%, bbls. 100 lbs. 4.00 - —
56%, bbls 100 lbs. 7.10 - —
70%, bbls 100 lbs. 8.10 - —
80%, bbls 100 lbs. 8.75 - —
glacial, synthetic, CP, dms., works 100 lbs. 13.50 - —
cbys., works 100 lbs. 16.50 -22.50
USP, cbys., works 100 lbs. 14.00 -16.00
tech., dms., c.l., works 100 lbs. 9.50 - —
l.c.l., works 100 lbs. 10.00 - —
tanks, works 100 lbs. 8.00 - —
Acetic annydride (see Acetic anhydride above).
Acetylsalicylic, USP special, bbls., makers primary distrib., point of ship't, 1,000-lb. lots lb. .57 - —
standard, fine cryst., gran., (30-40 mesh) powd. (80 mesh) bbls. same basis, lb. .52 - —

Freight equald, ship't identical quantity over standard routes from N. Y., Phila., Midland, Mich. Chicago and St. Louis.

Aconitic 5,000 lbs. 1 shipt. dms., lb. .49 - —
smaller lots, dms lb. .49½- .54½
Adipic, fib. dms., works lb. .26½- —
Aminoacetic, NF bbls., frt. adjusted lb. 1.50 1.75
Anthranilic resub. bbls lb. 2.10 —
tech., bbls., frt. equald lb. 1.21 - —
Arsenous (tech (see Arsenic, white).
USP (see Arsenic trioxide).
Ascorbic USP dms. 500-kilo lots. kilo. 24.50 - —
25-50 kilo lots kilo. 25.00 - —
10-kilo lots kilo. 25.35 - —
5-kilo lots kilo. 25.70 - —
bots., kilo lots kilo. 26.41 - —
500 grams kilo. 27.47 - —
Battery, cbys. c.l., E. works. 100 lbs. 2.00 - —
l.c.l., E., works 100 lbs. 2.30 - —
Benzoic, tech. bbls. dms., 100 lbs. or more lb. 43 - —
USP, bbls. dms., 100 lbs up lb. 54 - —
Betahydroxynaphthoic bbls., works lb. 1.25 - 1.39
Boric, tech. 99½%, cryst., bgs., c.l., works ton. 115.25 - —
ton lots ex whse, N. Y. or Chi. ton. 160.00 - —
less ton lots same basis, ton. 165.00 - —
bbls., c.l., works ton. 135.25 - —
ton lots ex whse., N. Y. or Chi. ton. 180.00 - —
less ton lots, same basis, ton. 185.00 - —
bulk, c.l., works ton. 111.75 - —
gran., bgs., c.l., works ton. 90.25 - —
ton lots ex whse., N. Y. or Chi. ton. 135.00 - —
less ton lots, same basis, ton. 140.00 - —
bbls, c.l., works ton. 110.25 - —
ton lots, ex whse., N. Y. or Chi. ton. 153.00 - —
less ton lots, same basis, ton. 160.00 - —
Acid, boric, tech., 99½%, gran., bulk c.l., works ton. 56.75 - —
powd., bgs., c.l. works ton. 95.25 - —
ton lots ex whse., N. Y. or Chi ton. 140.00 - —
less ton lots same basis ton. 145.00 - —
bbls., c.l. works ton. 115.25 - —
ton lots ex whse., N. Y. or Chi ton. 160.00 - —
less ton lots same basis ton. 165.00 - —
bulk c.l., works ton. 91.75 - —
USP $25 per ton higher.
Broenner's, bbls lb. 1.34 - —
Butyric, 99%, dms. c.l. works lb. .36½- —
l.c.l., works lb. .37 - —
tankcars, works lb. .35 - —
Cacodylic, bots. lb. 10.00 -11.00
Camphoric, natural, dms. lb 5.00 5.63
synth., dms lb 4.00 4.75
Capric, 70%, dms lb. .27¾- .28½
Caprylic, 65%, dms lb. .49¼- .50
Castor oil, split, dms lb. .28¼- .28¾
Chicago, bbls., frt. alld lb. 2.92 - —
Chlorosulphonic dms. c.l. works lb. 03¼- —
l.c.l., works lb 03¾- —
tanks, works lb. 02¾- —
Chromic, 99½-99¾% dms., c.l. works lb 25½ —
l.c.l., works lb 26 .27
USP (see Chromium trioxide)
Cinnamic, recrd. bols lb 2.50 4.00
Citric, anhyd., gran., fine gran., dms., c.l. lb 26½- —
10,000 lbs. 1 ship't lb 27 - —
smaller lots lb 27½- —
kgs lb 28½- —
gran., fine gran., dms., c.l. lb 24½- —
10,000 lbs. 1 ship't lb 25 - —
smaller lots lb 25½- —
kgs. lb 26½- —
USP citric acid powder ½c per lb higher.
Cleve's, mixed, bls lb. 72 —
Coconut oil, dist., dms lb. .25½- .26
double dist., dms lb. .27½- .28
Cottonseed oil, dist., dms lb. .14 - .15¼
double dist., dms lb. .14½- .15¾
Cresylic, dom., coaltar, 50% above 207°C, non-ret dms., c.l., frt. equald gal. .91 - 1.06
t.c.l., non ret dms., same basis lb. .94 - 1.09
ret. dms., c.l., same basis gal. .93 - —
l.c.l., same basis gal. .96 - —
Acid, cresylic, dom. coaltar, 50% above 207°C, tanks, same basis gal. .80 - .93
204° to 207° C. non-ret. dms., c.l., same basis gal. 1.01 - 1.06
l.c.l., same basis gal. .94 - 1.09
ret. dms. c.l. same basis, gal. .98 - —
l.c.l., same basis gal. 1.01 - —
tanks, same basis gal. .90 - 1.01
petroleum, 179 C to 198°C, non-ret dms., c.l., San Francisco and Los Angeles gal. .67½- —
l.c.l., same basis gal. .69½- 71½
tanks, same basis gal. .57 - —
195° to 213°C non-ret. dms., c.l., San Francisco and Los Angeles gal. .55½- —
l.c.l., same basis gal. .57½- 59½
tanks, same basis gal. .45 - —
200°C to 222°C, tanks, Wilmington, Cal gal. .40½- —
211°C to 236°C non-ret. dms., c.l., San Francisco and Los Angeles gal. .53½- —
l.c.l., same basis gal. .55½- .57½
tanks, same basis gal. .43 - —
220°C to 242°C, tanks, Wilmington, Cal gal. .38½- .41½
237°C to 265°C, non-ret. dms. c.l., San Francisco and Los Angeles gal. .51½- —
l.c.l., same basis gal. .53½- .55½
tanks, same basis gal. 41 - —
245°C to 298°C, tanks, Wilmington, Cal gal. .36½- —
295°C to 325°C, tanks, Wilmington, Cal gal. .28½- —
imported, coaltar, 75% at 215°C or over, dms., c.i.f. gal. .52½- .57½
Crotonic, fib dms. works lb 29 —
Cyanoacetic, tech. bbls lb. 90 1.25
Desoxycholic lb. 17.00 -22.00
Dichlorophenoxyacetic, (see "D" 2, 4-D)
Diethylbarbituric (see Barbital)
Diglycolic, bgs., works lb. .14 - —
Ethylthexoic, dms. c.l., works lb. .32 - —
l.c.l., works lb. .32½- —
tanks, works lb. .30½- —
F, crude, paste, bbls., works lb. 1.52 - —
Folic, bots. fib cans, kilo or more gram 2.00 —
Formic 85% cbys. c.l. works lb 13 .13½
l.c.l., works lb 13½ 14
90%, cbys., c.l. works lb 13½ 14
l.c.l., works lb 14 14½
Fumaric, tech. bbls. dms lb 30 .31
Gallic, NF VII, bbls., 1,000-lb. lots lb 1.60 —
smaller lots lb 1.63 1.63
technical, bbls., 1,000 lb. lots lb 1.43 —
smaller lots lb 1.46 1.48
Gamma, bbls., frt. alld lb. 1.32 - —
Acid, gluconic, tech., 50%, bots lb. .23 - .31
dms lb. .14 - —
kgs. lb. .16 —
Glutamic, laevo, 99%, fiber dms., 100 lb lots works lb 2.30 2.40
25 lb lots lb 2.45 —
Glycerophosphoric, 35%, dms., works lb 2.15 2.25
Glycolic (see Acid, hydroxyacetic).
H, 100% basis, bbls., works lb. .73½- —
Hydriodic, 45-47%, cbys lb 2.57 2.59
57%, cbys lb 2.86 —
Hydrobromic, medicinal, 48%, cbys., dlvd E lb. .33 —
tech., 48%, cbys. dlvd E lb. .34 .36
34%, cbys., dlvd E lb. .35 .37
Hydrochloric (see Acid, muriatic).
Hydrocyanic, cyts., works lb 1.00 - —
dilute, NF 2%, 5-lb bots lb. .37 - —
Hydrofluoric, anhyd., cyls., works. lb. .19 - .19¼
tanks, works lb. .16½- —
30%, wood or rubber, dms., works lb. .08½ .09
70%, steel dms., works lb. .143 .148
Hydrofluosilicic, 30-35%, bbls lb. .08 .09
Hydroxyacetic, tech., 70%, bbls., non-return., Phila lb. .084 -
tanks Belle W. Va., 100% basis lb. .085 -
Hypophosphorus, purif., 50%, cbys. lb 1.30 1.32
USP, cbys lb. .78 —
J, bbls., works 100% basis lb 2.50 2.85
L, bbls., frt. alld lb. 1.25 - —
Lactic edible 50%, bbls., 20 or more lb. .18½- —
smaller lots lb. .19 - —
80%, bbls. 20 bbls or more. lb. .235 .332
plastic grade 50% bbls. 20 or more lb 19¾ —
10 or less lb. 20¼ - —
80%, bbls., 5 or less lb. .3495- .3545
tech., 22%, bbls., f.l., works 100 lbs. 5.80 —
t.c.l., works 100 lbs. 6.20 - —
cbys., works 100 lbs. 6.70 - —
44%, bbls., c.l., works 100 lbs. 10.95 - —
t.c.l., bbls., works 100 lbs. 11.35 - —
cbys., works 100 lbs. 11.85 - —
NF, 85%, cbys lb. .69 .72
Laurent's, bbls lb. .60 - .87
Lauric, dist., 85-90%, dms lb. .30 - .30¾
Linseed oil, reg. dist., dms. lb. .2170- .2220
water-white, dms lb. .2470- .2520
Maleic, powd., dms lb 30 .31
Anhydride (see M).
Malic, dms lb. .45 - —
Mandelic, NF, dms., 1,000-lb lots lb. 1.85 —
smaller lots lb 1.90 2.10
Methacrylic, cms., c.l., and truckloads, works lb. .76½- .80
less than truckload, works lb. .76½- .80
Molybdic, dms. 85% works lb. .88 —
Monochloroacetic, purified flake, 99%, dms lb. .22½- .24½
tech., flake, 96-97%, bbls lb. .18 - .21
Muriatic, 18°, cbys., c.l., works, 100 lbs. 1.50 - 2.15
t.c.l., works 100 lbs. 2.20 - 2.25
tanks, works ton. 20.00 - —
20°, cbys., c.l. works 100 lbs. 2.15 - 2.65
t.c.l., works 100 lbs. 2.45 - 3.75
tanks, works ton. 22.00 - —
22°, cbys., c.l., works 100 lbs. 2.65 - —
t.c.l., works 100 lbs. 3.05 - 3.75
tanks, works ton. 27.00 - —
CP, USP, consumers, cbys., extra c.l., frt. equald lb. .07¾- —
t.c.l., same basis lb. 09¼- 09¾
5 pint bottles extra, cs., c.l., frt. equald lb. .12¾- —
t.c.l., same basis lb. .14¼- .15¼
Acid, muriatic, CP, USP, prices to dealers 1½c. per lb. less.
Myristic, dist., dms lb. .30½- —
Naphthenic 220-230 acidity, dms., works lb. .13 - —
tanks, works lb. .11 - —
230-240 acidity, dms., works lb. .22 - —
tanks, works lb. .19 - —
Naphthol(1)-4-sulphonic (see Acid, Neville and Winther's)
Naphthol (1)-5-sulphonic (see Acid L)
Naphthol(1)-6-sulphonic,8-amino (see Acid, S).
Naphthol(1)-3,6-disulphonic,8-amino (see Acid, H).
Naphthol(2)-6,8-disulphonic (see Acid, Gamma)
(2)-7-Sulphonic,2-amino (see Acid, J).
Naphtholsulphonic, mixed (see Acid, Cleve's, mixed)
Naphthylamine(1)-5-sulphonic (see Acid, Laurent's)
(2)-6-sulphonic (see Acid, Broenner's)
(2)-7-sulphonic (see Acid, F).
(2)-1-sulphonic (see Acid, Tobias).
Neville and Winther's, dms., frt. alld. lb. .97 - —
Nicotinic, USP, dms., frt. adjusted kilo. 8.00 - 8.50
Nicotinic amide (see Nicotinamide).
Nitric 36° cbys. c.l. E. works 100 lbs. 5.00 - —
t.c.l., E. works 100 lbs. 5.40 - 6.10
38° cbys. c.l., E. works 100 lbs. 5.50 - —
t.c.l., E. works 100 lbs. 5.90 - 6.60
40° cbys. c.l., E. works 100 lbs. 6.00 - 6.50
t.c.l., E. works 100 lbs. 6.40 - 7.10
42° cbys., c.l., E. works 100 lbs. 6.50 - 7.00
t.c.l., E works 100 lbs. 6.90 - 7.60
CP, NF, consumers, cbys., extra, c.l., frt. equald lb. .11½- —
t.c.l., same basis lb. .13 .13¼
5 pint bottles extra, cs., c.l., frt equald lb. .15½- —
t.c.l., same basis lb. .17 .18
Acid, nitric, CP, NF, prices to dealers 1½c. per lb. less.

Abbreviations

Used in OPD Market Quotations

ACS	American Chemical Society	dist.	distilled	neut.	natural
		dextro.	dextrorotatory	NF	National Formulary
alld.	allowed	distr.	distributor		
ammo.	ammonia	djns.	demijohns	nom.	nominal
amorph.	amorphous	dlvd.	delivered	No.	number
anhyd.	anhydrous	dms.	drums	ord.	ordinary
a.p.a.	available phosphoric acid	dom.	domestic	oz.	ounce
		E.	east	Pac.	Pacific
artif.	artificial	e.p.	end point	pf.	proof
ASTM.	American Society for Testing Materials	equald.	equalized	phos.	phosphate
		F.	fahrenheit	photo.	photographic
Be.	Baume	ferment.	fermentation	pkgs.	packages
bgs.	bags	ffa.	free fatty acid	powd.	powdered
bbls.	barrels	ffc.	free from chlorine	precip.	precipitated
bls.	bales	fib.	fiber	prod.	producer
bots.	bottles	f.o.b.	free on board	pt.	point
b.p.	boiling point	F.P.A.	free of prussic acid	pulv.	pulverized
b.p.l.	bone phosphate of lime			purif.	purified
		frt.	freight	redist.	redistilled
b.r.	boiling range	fus.	fused	refd.	refined
bxs.	boxes	gal.	gallon	refy.	refinery
C.	centigrade	gran.	granular	reg.	regular
cbys.	carboys	grd.	ground	resub.	resublimed
CD	completely denatured	i.&a.	iron and aluminum	ret.	returnable
				SD.	specially denatured
c.i.f.	cost, insurance, freight	i.b.p.	initial boiling point	s.d.	single distilled
				S. E.	southeast
cks.	casks	imp.	imported	secs.	seconds
c.l.	car lots	incl.	included	s.g.	specific gravity
cns.	cans	indust.	industrial	ship't	shipment
col.	color	kgs.	kegs	solut.	solution
com'l	commercial	lacq.	lacquer	s.u.	standard unit
conc.	concentrated	lb.	pound	synth.	synthetic
CP	chemically pure	l.c.l.	less than car lots	tech.	technical
cps.	centipoises	liq.	liquid	USP.	U. S. Pharmacopoeia
cryst.	crystal	m.a.p.	mixed aniline point	vis.	viscosity
cs.	cases			VM&P.	varnish makers & painters
ctns.	cartons	min.	minimum		
cyls.	cylinders	m.p.	melting point	W.	west
dbl.	double	N.	nitrogen	w.w.	water white
denat.	denatured	nat.	natural	whse.	warehouse
dest.-dist.	destructive-distilled				

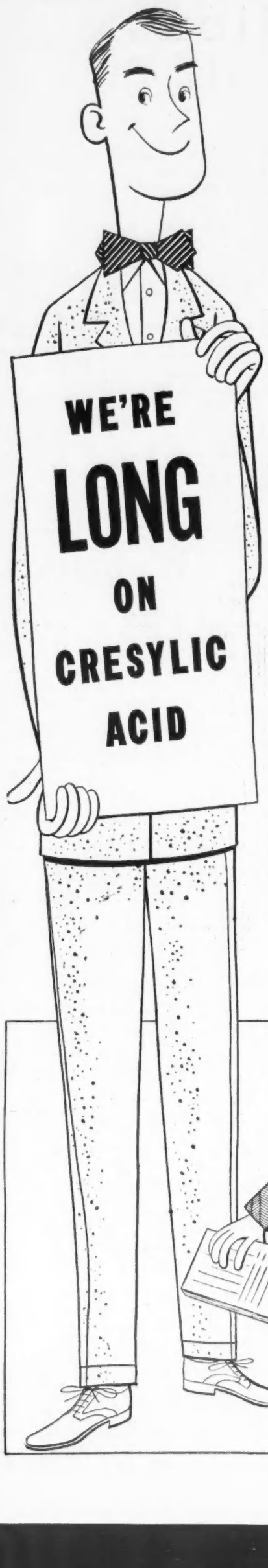
A unit-ton is 2,000 pounds of 1 percent of the basic constituent or other standard of the material. The percentage figure of the basic constituent multiplied by the price figure shown, gives the price of 2,000 pounds of the material.

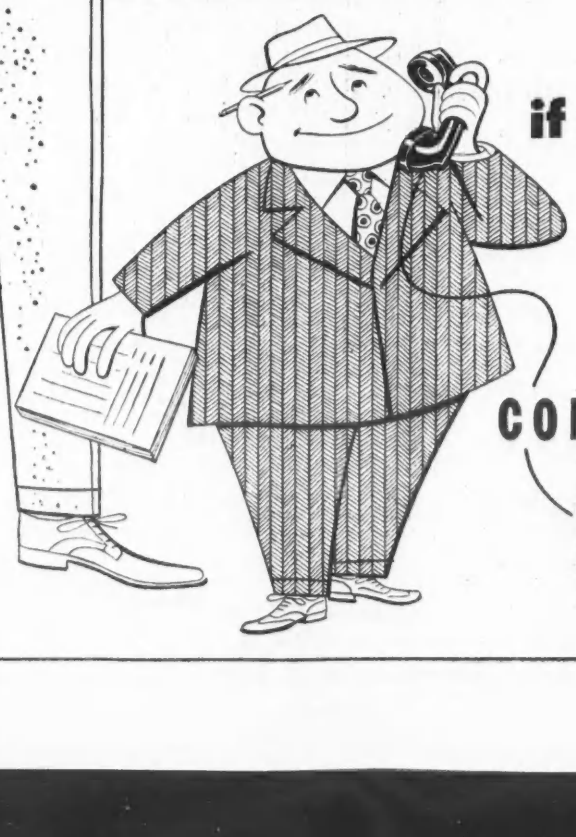
Acid, Octoic—Alcohol, Phenylethyl

Acid, octoic (see Acid, ethylhexoic).
Oleic (see Oil red).
Oleum (see Acid, sulphuric, fuming).
Orthocresotinic, dms., ton lots, works lb. .62 - —
smaller lots, works lb. .64 - —
Oxalic, bbls., c.l., works lb. .14¼ - —
10,000 lbs., works lb. .14½ - —
smaller lots, works lb. .15¼ - .15½
Palm oil, white, dist., dms lb. .21¼ - .21¾
Para-aminobenzoic, purified, dms., 100 lbs. or more, works lb. 3.75 - —
smaller lots, works lb. 3.85 - 4.00
technical, dms lb. 1.74 - —
Para-aminosalicylic, dms 1,000-lb. lots or more lb. 5.50 - —
smaller lots lb. 5.55 - 6.50
Paramethylphenylcinchonic (see Neocinchophen).
Paranitrobenzoic, dms lb. .77 - —
Paratoluidinmetasulphonic, bbls., works lb. .92 - 1.04
Peanut oil, s.d., dms lb. .12¾ - .13¾
Perchloric, 60%, cbys., works lb. .58 - .62
70-72%, cbys., works lb. .61 - .66
Phenylacetic, bots lb. 1.45 - 1.75
Phenylcinchonnic (see Cinchophen).
Phenylglycollic (see Acid, mandelic).
Phosphoric, food grade, 75%, cbys., c.l. works, frt. equald 100 lbs. 6.50 - —
l.c.l., works, frt. alld 100 lbs. 7.00 - 7.50
tanks, works, frt. equald 100 lbs. 4.75 - —
NF, 85% cbys. c.l. lb .10½ - —
For shipments in cbys., add handling charges.
Picramic ogs lb .65 - .70
Picric, NF, 300 lb. bbls lb. .50 - —
smaller lots, dms lb. .81 - .87
tech., bbls. lb. .32 - .33
Propionic, natural, dms., works lb. .18 - —
tanks, works lb. .17 - —
synth., pure, dms., works lb. .21 - —
tanks, works lb. .19 - —
Pyrogallic, tech., obls lb. No prices.
NF, cryst., dms lb 2.95 - 3.18
resub., dms lb. 3.30 - 3.45
Pyroligneous, dms, incl., l.c.l., works, South gal. .31 - —
Ricinoleate (see Acid, castor oil, split).
S, bbls., works lb 2.97 - 3.00
Salicylic, crude, bbls lb. .28 - —
sublimed, tech., bbls., c.l. lb. .33 - —
l.c.l. lb. .40 - —
dyestuffs grade, bbls lb. .34 - —
USP, cryst., bbls lb. .42 - —
powder, bbls. lb. .47 - —
Sebacic, purified, dms., c.l. works lb. .47 - —
l.c.l. works lb. .49 - .53
Soybean oil, single, dist., dms lb. .15¾ - .17
double dist., dms lb. .16¾ - .18
Stearic, double pressed, bgs lb. .16½ - .17¾
single-pressed, bgs lb. .15½ - .16¾
triple-pressed, bgs lb. .18¾ - .20
Succinic, purified, cryst., bbls., works lb. .75 - —
tech., bbls., works lb. .65 - .75
Sulphanilic, tech., dms., c.s., frt. alld lb. .17 - —
l.c.l., frt. alld lb. .19 - —
Sulphuric, 60° Be, cbys., c.l., works 100 lbs. 1.65 - —
l.c.l., works 100 lbs. 1.95 - 2.50
tanks, works ton 14.40 - 14.50
66° Be, cbys., c.l., works 100 lbs. 1.90 - —
l.c.l., works 100 lbs. 2.30 - 2.75
tanks, works ton 17.75 - 18.00
98%, tanks, works ton 18.50 - 19.00
CP, NF, consumers, cbys., extra, c.l., works, frt. equald lb. .07⅞ - —
t.c.l. same basis lb .09¼ .09¾
5 pt. bottles extra cs., c.l., works frt equald lb. .11¼ —
l.c.l., same basis lb. .12¾ - .13¾
fuming, 20%, tanks works ton 19.85 - 20.00
acid sulphuric, CP, NF prices to dealers 1½c. per lb. less.
Tallow, dist., dms lb. .13 - .14¼
Tannic, tech., 60-62%, dms lb. .68 - .69
70-72% dms lb .80 - .85
75-76% dms lb .86 - .90
fluffy, bbls., 1,000-lb. lots lb 1.45 - —
smaller lots lb 1.46 - 1.55
powder, bbls., 1,000-lb. lots lb 1.35 - —
smaller lots lb 1.36 - 1.50

Acid, tartaric, USP, dom., 230, 250-lb. dms., 10,000 lbs., 1 ship't lb. .31½ - —
smaller lots lb. .32 - —
100-lb. dms lb. .33 - —
small dms lb. .35 - .37
imported, kgs lb. .27 - .29
Thioglycolic, refined, bbls., cbys., basis 100% lb 1.60 - 1.80
tech. bbls. cbys. basis 100% lb 1.40 - —
Tobias, bbls., frt. alld lb. .69 - —
Trichloroacetic, bots lb 2.00 - 2.50
Toluenesulphonic, dms., c.l., works lb. .18½ - —
l.c.l., works lb. .20 - —
tanks, works lb. .17 - —
Tungstic, tech., kgs., works lb 2.20 - 2.40
Undecylenic, dms lb. 1.00 - 1.25
Aconite leaves, bls lb. .55 - .60
Root, bls lb. .48 - .52
Aconitine, amorph., mild, bots oz. 27.50 - 32.50
cryst., potent, bots oz. 78.00 - 85.00
Acrolein, dms., works lb. .50 - —
Acrylonitrile, dms., c.l., works lb. .40½ - —
l.c.l., works lb. .41 - .60
tanks, works lb. .39 - —
Adeps lanae (see Lanolin)
Adonis vernalis herb, bls lb. .30 - .40
Agar, USP, Kobe, No. 1 strip, bls lb 1.28 - 1.30
powdered, 30 mesh, fib, dms lb 1.65 - —
Agaric, white, bls lb. 1.60 - 1.75
Agrimony herb, bls lb. .30 - .35
Alanine, dextro-laevo, dms., works lb 5.50 - 11.00
Albumen (eggs), edible, flake, bbls. lb. 1.35 - 1.37
powd., bbls lb. 1.39 - 1.41
tech., cryst., bbls lb. .78 - .82
Albumin, blood, dark (see Blood, dried, soluble).
light, dms., l.c.l. lb. .65 - .70
Egg (see Albumen).
Alcohol, allyl, dms., c.l., dlvd lb. .31¾ - —
l.c.l., dlvd lb. .32½ - —
tanks, dlvd. lb. .30 - —
Amyl, ex pentane dms., c.l., frt. alld, E. Miss lb. .16¾ - —
l.c.l., frt. alld E. of Miss lb. .17¾ - —
tanks, frt. alld E. of Miss lb. .15 - —
(see also Fusel oil, ref.)
fermentation, refined, 126-132°C, dms., c.l., dlvd lb. .33¾ - —
l.c.l., dlvd lb. .34¾ - —
tanks, dlvd lb. .32 - —
128-132°C, dms, l.c.l, dlvd lb. .36 - —
ACS grade, dms, t.c.l., dlvd lb. .42 - —
Benzyl, NF, dms lb. .58½ - .89
tech, dms, works, frt equald, lb. 45 - .50
Butyl, fermentation, normal dms., c.l., frt alld lb. .14¾ - .28¾
l.c.l., frt. alld lb. .15¾ - .29¾
tanks, frt. alld lb. .13 - .27
synthetic, normal, dms., c.l., frt. alld lb. .14¾ - —
l.c.l., frt. alld lb. .15¾ - —
tanks, frt. alld lb. .13 - —
secondary, dms., c.l., frt. alld. lb. .10¾ - .11¾
l.c.l., dlvd., frt. alld lb. .11½ - .12½
tanks, dlvd., frt. alld lb. .09 - .10
tertiary, dms., c.l., frt. alld. lb. .13¾ - —
l.c.l., frt. alld lb. .14½ - —
tanks, frt. alld lb. .12 - —
Capryl, dms., c.l., works lb. .26½ - —
l.c.l., works lb. .27½ - —
tanks, works lb. .25 - —
Cetyl, dom., CP., fiber ctns., 1,000 lbs lb. 1.50 - —
smaller lots lb. 1.55 - —
Cinnamic, bots. lb. 2.75 - 3.20
Denatured, CD12, CD13, CD14, dms., dlvd. E. of Miss. R. gal. .60 - .87
l.c.l., dlvd. E. of Miss. R. gal. .64 - .96
tanks, dlvd. E. of Miss. R gal. .48 - .75
Tankcar sales require written authorization by Alcohol Tax Unit.

Alcohol, denatured, proprietary, solvent, dms., c.l., dlvd. E. of Miss. R. gal. .60 - .87½
l.c.l., same basis gal. .64 - .96½
tanks, same basis gal. .48 - .75½
Tankcar sales require written authorization by Alcohol Tax Unit.
SD1, 190 pf., dms., c.l., dlvd. E. of Miss. R. gal. .58½ - .87
l.c.l., same basis gal. .62½ - .96
tanks, same basis gal. .46½ - .75
SD2B, dms., c.l., E. of Miss. R. gal. .56 - .88
l.c.l., same basis gal. .62 - .97
tanks, same basis gal. .46 - .76
SD3A, dms., c.l., E. of Miss. R. gal. .57 - .86
l.c.l., same basis gal. .61 - .95
tanks, same basis gal. .45 - .74
SD23A, dms., c.l., E. of Miss. R. gal. .59 - .87
l.c.l., same basis gal. .63 - .96
tanks, same basis gal. .47 - .75
SD23H, dms., c.l., E. of Miss. R. gal. .60 - .87½
l.c.l., same basis gal. .64 - .96½
tanks, same basis gal. .48 - .75½
SD27A, dms., c.l., E. of Miss. R. gal. .94 - —
l.c.l., same basis gal. .98 - 1.03
tanks, same basis gal. .82 - —
SD30, dms., c.l., E. of Miss. R. gal. .56½ - .84
l.c.l., same basis gal. .60½ - .93
tanks, same basis gal. .44½ - .72
SD35A, dms., c.l., E. of Miss. R. gal. .61½ - .91½
l.c.l., same basis gal. .65½ - 1.00½
tanks, same basis gal. .47½ - .79½
SD40, dms., c.l., E. of Miss. R. gal. .58 - .88½
l.c.l., same basis gal. .62 - .97½
tanks, same basis gal. .46 - .76½
Diacetone, acetone free, dms., c.l., dlvd. lb. .13¾ - —
l.c.l., dlvd. lb. .14½ - —
tanks, dlvd. lb. .12 - —
tech., dms., c.l., dlvd lb. .13¼ - —
l.c.l., dlvd. lb. .14 - —
tanks, dlvd. lb. .11½ - —
Ethyl, 190 pf., USP, tax paid, dms., c.l., dlvd. E. Miss. R gal. 17.67 - 17.97
l.c.l., same basis gal. 17.71 - 18.06
tanks, same basis gal. 17.55 - 17.85
tax free, dms., c.l., dlvd. E. Miss. R. gal. .57 - .87
l.c.l., same basis gal. .61 - .96
tanks, same basis lb. .45 - .75
absolute, 200 pf., tax paid, dms., c.l., same basis gal. 18.57 - 18.87
l.c.l., same basis gal. 18.61 - 18.96
tanks, same basis gal. 18.45 - 18.75
Ethylbutyl, dms, c.l., works lb. .29½ - —
l.c.l., works lb. .30 - —
tanks, works lb. .28 - —
Ethylhexyl, dms., c.l., dlvd lb. .29¼ - —
l.c.l., dlvd lb. .30¼ - —
tanks, dlvd lb. .27¾ - —
Furfuryl, tech., cns., works lb. .30 - —
dms., c.l., works lb. .21½ - —
l.c.l., works lb. .23 - —
tanks, works lb. .18 - —
Isoamyl (see Alcohol, amyl fermentation, refined).
Isobutyl, dms., c.l., dlvd lb. .14¾ - —
l.c.l., works lb. .15¾ - —
tanks, dlvd lb. .13 - —
Iso-octyl, dms., c.l., works lb. .29¼ - —
l.c.l., works lb. .29¾ - —
tanks, works lb. .26¼ - —
Isopropyl, refd., 91%, dms, incl., c.l., dlvd gal. .44 - —
l.c.l., dlvd gal. .49 - —
tanks, dlvd gal. .32 - —
95%, dms, incl., c.l., dlvd gal. .45½ - —
l.c.l., dlvd gal. .50½ - —
tanks, dlvd gal. .33½ - —
99%, dms., incl., c.l., dlvd gal. .47 - —
l.c.l., dlvd gal. .52 - —
tanks, dlvd gal. .35 - —
Methyl (see Methanol).
Methylamyl (see Carbinol, methyl-isobutyl).
Nonyl (see Trimethylhexonal).
Octyl, perfumer's grade, bots lb. 1.70 - 3.25
technical (see Octanol normal).
Pantothenyl (see Panthenol).
Phenylethyl, cns lb. 1.30 - 1.60





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Alcohol, polyvinyl, type A, fiber-pack, Niagara Falls..lb. .65 • .70
type B, fiber-pack, same basis lb. .60 • .65
Propyl, normal, dms., c.l., dlvd. lb. .10¾• —
l.c.l., dlvd.....lb. .11¾• —
tanks, dlvd.....lb. .09 • —
Salicyl (see Saligenin).
Tetrahydrofurfuryl, cns., Waverly, N. Y..lb. .47 • —
dms., Niagara Falls, N. Y..lb. .40½• —
l.c.l., Waverly, N. Y....lb. .42½• —
tanks, Niagara Falls, N. Y.lb. .38 • —
Industrial grade, dms., c.l., Niagara Falls, N. Y..lb. .29 • —
l.c.l., Waverly, N. Y...lb. .30½• —
tanks, Niagara Falls, N. Y. lb. .26½• —
Aldol, 95%, dms., works.....lb. .15 • .16
denaturing grade, dms. .....gal. 1.33 • 1.48
Aldrin, 60% solut., dms., c.l., works, frt. alld..lb. 1.06 • —
l.c.l., works, frt, alld.....lb. 1.20 • —
Aletris root, bgs. .....lb. 1.50 • 1.60
Algin, bbls., fib. dms.....lb. .76 • 1.20
Alizarin (see Red, alizarin)
Alkanet root, bgs.... .....lb. .35 • .40
Allethrin, 100%, dms., 1 to 10 dm.-lots. lb.45.00 • —
smaller lots, works.....lb.50.00 -55.00
solution, 20%, dms., 100 lb.-lots, works lb. 9.00 • —
10%, dms., works.....gal.37.75 • —
2%, dms., works.....gal. 7.75 • —
Allspice, Jamaica (see Pimento).
Mexican bgs., afloat.....lb. .21½• .22
Allyl bromide, cnys., 5,000 lbs., works. lb. .99 • —
smaller lots, works .lb. 1.05 • 1.10
Chloride, dms., c.l., dlvd.....lb. .16¾• —
l.c.l., dlvd.....lb. .17½• —
tanks, dlvd. .....lb. .15 • —
Starch, solid, dms., works....lb. .58 • —
solution, 40%, dms., works...lb. .279 • .297
50%, dms., works.....lb. .446 • —
Aloe, Cape, cs.....lb. .22 • .23
Curacao, kgs.....lb. .35 • .36
Socotrine, kgs .....lb. .35 • .36
Aloin, USP, bbls., dms., kgs....lb. 3.50 • —
Alphanaphthol, bbls., frt. alld....lb. .77 • —
Alphanaphthylamine, bbls., frt. alld. lb. .45 • —
Alphanaphthylthiourea, 93-98%, fib. dms., works, frt. alld lb. 2.00 • 2.40
Alphanitronaphthalene, bbls., frt. alld..lb. .37 • —
Alphapicoline, ret. dms. c.l. works, frt. equald lb. .29½• —
l.c.l., works, frt. equald .lb. .30 • —
Alphapinene, tanks, South, works gal. No prices.
Alphaterpineol, dms. t.c.l., dlvd. E. lb. .17 • —
Alphatocopherol, bots.....kilo.350.00 • —
Acetate, bots .....kilo.350.00 • —
Althea root, NF, peeled, bls lb. .30 • .40
Alum, ammonium, gran., bbls., works 100 lbs. 3.30 • —
lump, bbls., works .100 lbs. 4.05 • —
powd., bbls., works....100 lbs. 4.20 • —
USP, burnt, bbls. .... lb. .20 • .21
hydrous, bbls. .... lb. .07¾• .08
Potassium, gran., bbls., works.. 100 lbs. 4.05 • —
lump, bbls., works... 100 lbs. 4.30 • —
powd., bbls., works....100 lbs 4.45 • —
USP, burnt, bbls .....lb. .20 • .21
hydrous, bbls .....lb. .07¾• .08
Potash-chrome, dms .....lb. .17 • —
Soda, bbls., c.l., works.....100 lbs. 3.25 • —
l.c.l., dlvd. .....100 lbs. 4.25 • 5.00
Alumina, calcined, bgs., c.l., works lb. .03½• .05
crystalline (see Aluminum oxide).
Aluminum acetate, basic solution, 24%, bbls., l.c.l., works lb. .11 • —
20%, bbls., l.c.l., works lb. .10 • —
Chloride, anhyd. com'l, dms., c.l., works..lb. .12 • —
l.c.l., works.....lb. .12½• —
cryst., com'l, dms., c.l. works.lb. .0690• —
l.c.l., works lb. .0690• —
NF, gran., dms., works lb. .27 • .28
solution, 32°, cbys., c.l., works.lb. .03¼• —
l.c.l., works .... lb. .04 • —
Fluoride, tech. anhyd., bbls., c.l., works lb. .10 • —
l.c.l., works lb. .11 • .13
Formate, basic solution, cbys., c.l lb. .09½• —
l.c.l., works lb. .10 • —
Hydrate, heavy, bgs., c.l., frt. equald ton.50.00 -54.00
l.c.l., works ton.72.00 -86.00
light, bgs., dlvd lb. .17 • —
Hydroxide, gel, pharmaceutical, 14-15% Al_2O_3, fib. dms., works lb. .21¼• —
contract, works lb. .20¼• —
9-9½% Al_2O_3, fib. dms., works lb. .18¼• —
contract, works lb. .17¼• —
dried, USP XII, fib. dms., works. lb. .79½• —
contract, works lb. .76½• —
powder, tech. (see Aluminum hydrate).
Laurate, precip., bbls lb. .38½• —
Linoleate, solid, dms., frt alld lb. .39½
Metal, 99%+, ingots, 10,000 lbs. lb. .17½• .18½
pigs, 10,000 lbs.....lb. .16½• .17½
Naphthenate, liquid, 1.7%, frt. alld lb. .24½• .25
Oleate, dms precip lb. .35¼• —
Oxide, amorphous (see Alumina, calcined).
crystalline, flour, classified, 8-240 mesh, dms., frt. alld. lb. .14 • .15
kgs., ton, frt alld lb. .12½• —
smaller lots frt alld. lb. .13 • .13
280-400 mesh, dms., frt. alld lb. .32 • .33
kgs., frt. alld lb. .31 • —
600 mesh, dms. frt alld lb. .35 • .37
kgs., frt alld lb. .34 • —
600 mesh, dms. frt. alld. lb. .51 • .53
kgs. frt. alld lb. 50 • —
Aluminum oxide flour prices W of Denver ¾c. per lb. higher.
optical, floated, kgs., dlvd lb. .36 • .56
unclassified, dms. frt alld. lb. .16 • .17
kgs., frt. alld lb. 15 • —
Paste, lining, extra fine, dms lb. .58 • —
standard, dms lb. .39¼• —
Powder, lining, extra fine, dms lb. .96 • —
standard, dms lb. .64½• —
rubber comp., dms lb. .48½• —
unpolished, standard, dms lb. .44½• —
varnish standard dms lb 49 • —

Aluminum powder and paste prices are f.o.b. shipping point. Add 1c. per lb. for 100-lb dm., 1½c per lb for 50-lb dm 3c per lb. for 10-lb. can, and 5c. to 12c per lb for smaller containers. Deduct 1c. per lb for single shipment of 400 to 1,499 lbs. 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 29,999 lbs., and 4c. for 30,000 lbs. or more. Where destination is within the continental U. S., a deduction equivalent to the lowest available common carrier transportation rate will be made from seller's invoice on orders of 200 lbs. or over.

Resinate, precip., dms., frt. alld lb. .24 • —

Aluminum stearate, dibasic, ctns., c.l. .lb. .30 • —
l.c.l. .....lb. .31 • —
monobasic, ctns., c.l.....lb. .30 • —
l.c.l. .....lb. .31 • —
tribasic, ctns., c.l.....lb. .30 • —
l.c.l. .....lb. .31 • —
Sulphate, com'l, bulk, c.l., works, 100 lbs. 1.65 • —
iron-free, bgs., c.l., works, frt. equald 100 lbs. 2.75 • —
l.c.l., works.....100 lbs. 3.15 • —
NF, gran., dms., works.....lb. .27 • .28
powd., dms., works.....lb. .32 • .33
Trihydrate, heavy (see Aluminum hydrate).
Ambergris, gray, bots.....oz. 8.00 -10.00
Aminoazotoluene bbls.....lb. 1.03 • —
Aminomethylpropanol, cns., dms., works..lb. .60 • —
Aminoethylethanolamine, dms., c.l., works lb. .42 • —
l.c.l., works .....lb. .42½• —
tanks, works .....lb. .40 • —
Aminophylline, USP, 100-lb. dms. lb. 5.35 • —
Aminopyrine, USP bots., dms. lb. 6.00 6.15
Ammonia, anhydrous, fertilizer, tanks, works ton.74.00 -75.00
pure, cyls., extra, zone 1....lb. .17 • .17½
2 .....lb. .19 • .19½
3 .....lb. .21 • .21½
4 .....lb. .16 • .19½
refrigeration, tanks, works ton.76.50 -77.50
Aqua (29.4% NH_3), dms., c.l., works 100 lbs. 3.10 • —
l.c.l., works..... 100 lbs. 3.50 • —
tanks, works, anhyd. basis ton.80.00 -81.00
Ammoniac gum (see Gum ammoniac)
Sal, gray, bgs., c.l., works, frt. equald..100 lbs. 7.00 • —
l.c.l., same basis..100 lbs. 7.40 • —
white, gran., bgs., c.l., works 100 lbs. 4.60 • —
l.c.l., works .....100 lbs. 6.25 • —

Ammoniacal liquor, tankcars, works, anhyd basis ton.75.00 -80.00
Ammonium acetate, purified, dms lb. .39 .40
reagent, jars lb. .61 .63
Benzoate, USP, dms., kgs., 4,000 lbs., frt. alld lb. .80 —
smaller lots, frt. alld lb. .81 1.08
Biborate, bbls., c.l., works ton.302.00 • —
ton lots, works ton.355.50 • —
less ton lots works ton.360.50 • —
Bicarbonate, dms., c.l., works .lb. .05½• —
l.c.l., works.....lb. .06 • —
Bichromate, bbls., works.....lb. .31 .36
Bifluoride dms. dlvd .... lb 18 .18½
Bromide, gran., NF, bbls.....lb. .38 • .39
dms. .....lb. .39 • .42
Powdered ammonium bromide 10c. per lb. higher.
Carbonate, USP, lump, powd., dms. lb. .20 • .21
Chloride, tech (see Ammoniac, sal).
USP, gran., bbls., dms .... lb. .18 .19
Citrate, dibasic, bbls .....lb. .75 —
dms. .....lb. .80 .85
Fluoride (see Bifluoride).
Hydroxide (see Ammonia aqua).
Hypophosphite, NF, dms. .. lb 2.40 —
Iodide, NF, jars ..... lb. 3.81 • 3.91
Linoleate, pastic, 80% dms., works lb. 40½• —
kgs., works ..... lb. .42½• —
25%, dms., frt. alld..... lb. .21½• —
tech., bbls., works..... lb. .37 • —
dms., works ..... lb. .39 • —
Molybdate, chemical grade, bbls., kgs lb. .83 • —
metal grade, kgs..... lb. .90 • —
tech. grade, bbls., kgs.....lb. .80 • —

Ammonium nitrate, fertilizer grade, Canadian, 32.5% N, bgs., c.l., shipping point..ton.57.50 • —
dom. ogs. western works ton.58.00 • —
Nitrate-dolomite, 20.5% N, bgs. Hopewell, Va ton.46.00 —
Oleate, dms., precip lb 23¼• —
Oxalate, fine gran., dms .....lb. .25 .31
Pentaborate, gran., bbls., c.l. works ton.212.00 —
ton lots, works ton.265.50 • —
less ton lots works ton.270.50 • —
Ammonium pentaborate powder, $10 per ton higher.
Perchlorate, kgs. works lb. .50 .75
Persulphate, kgs lb. .25½• .28½
Phosphate, com'l, bgs., c.l., works. lb. .08 • —
l.c.l., works lb 08½• —
dibasic, NF V, bbls., dms.... lb 40 —
tech., bgs., c.l., works .... lb. 08 —
l.c.l., works .... lb 08½ —
Salicylate, NF, dms., kgs.....lb. 1.34 • 1.35
Silicofluoride, dms. works lb 12 13
Sulphamate, bbls., dms. works lb. 18 .20
Sulphate, coke-oven, bulk, producing ovens ton.32.00 -37.00
converters' bulk, works ton.37.50 -38.00
Sulphide, liquid, 40-43% basis, 100% dms., c.l. works, lb. .10¼• —
l.c.l., works lb. .15½• —
tanks, dlvd or frt. alld lb .09 —
Sulphocyanide, tech (see Ammonium thiocyanate)
Thiocyanate tech., bbls., c.l., works lb. .15 • .18
l.c.l., works.....lb. .16 • .20

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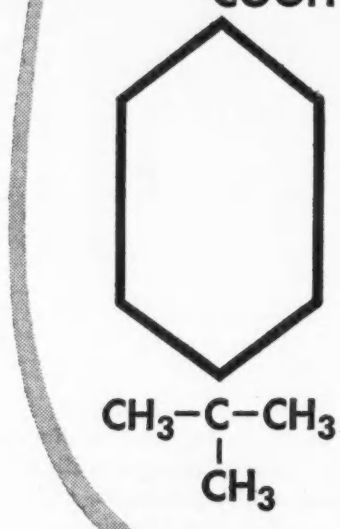

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CHEMICAL PARTNER OF INDUSTRY AND AGRICULTURE

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Ammonium Thioglycollate—Bismuth Subsalicylate

Ammonium thioglycollate, commercial, 100% basis, cbys. lb. 1.40 - 1.60
highly purified, same basis lb. 1.70 - 1.90
Thiosulphate, cryst., jars, works lb. .32 - —
Amphetamine citrate, dextro, bots. lb.36.00 - —
dextro-laevo, dms lb 6.50 - —
Hydrochloride, dextro, dibasic, bots lb.36.00 - —
monobasic, bots lb.34.00 - —
dextro-laevo, dms lb 6.50 - —
Phosphate, dextro, dibasic, bots. lb.36.00 - —
dextro-laevo, dibasic, dms... lb 6.50 - —
monobasic, dms lb. 6.00 - —
Sulphate, dextro, dms lb.36.00 - —
dextro-laevo, dms lb 6.50 - —
Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd lb. .19¾- —
l.c.l., dlvd lb. .20¾- —
tanks, dlvd lb. .18 - —
ex pentane dms., c.l., frt. alld. E. of Miss. R lb. .16 - —
l.c.l., same basis lb. .17 - —
tanks, same basis lb. .15 - —
Alcohol (see Alcohol, amyl).
Butyrate, dms lb. .90 - 1.00
Nitrite, USP, bots lb 1.75 - 1.83
Salicylate, cns., dms lb. .76 - 81
Anethol, NF, cns., dms lb. .95 - 1.25
Angelica root, dom., bls lb. .65 - 70
imported, bls lb. .45 - .50
Angostura bark, bls lb. .44 - .49
Aniline oil, dms., c.l., works, frt. alld lb. .17 - .17½
l.c.l., works, frt. alld lb. .18 - .18½
tanks, works, frt. alld lb. .16 - —
Salt, dms., frt. alld lb. .28 - —

Anise, Argentine, bgs lb. No stocks.
Chinese, star lb. .25 - .25½
Cyprus, ogs lb. .20 .20½
Czech, bgs lb. .14 - .14¼
Mexican, bgs., afloat lb. .16½- .17
Syrian, bgs lb. .15 Nom.
Turkish, bgs lb. .14 - .14½
Anisic aldehyde, bots., dms lb. 2.00 - 2.45
Annatto powder, dms lb. .24 - .25
Seed, bgs lb. .16 - .19
Anthracene, 80-85%, bbls., works lb. 1.10 - —
90%, bbls., works lb. 1.25 - —
Anthraquinone, 99.5%, bbls., frt. alld lb. .80 - .83
Antimony butter (see Antimony trichloride).
Metal, bulk, c.l., mines lb. .24½- —
cases, c.l., mines lb. 25 - —
Oxide, bgs., c.l., frt. alld lb. .21¾- —
l.c.l., frt. alld lb. .22¾- —
Trichloride, pails, works lb. .29 - .31
solution, cbys. lb .29 30
Salt, 65%, bgs., c.l., dlvd E. of Miss lb. No stocks.
Sulphide, 62-64%, bgs. frt. alld., dlvd lb. .20 .23
Antimony-potassium tartrate (see Tartar emetic).
Antipyrene, USP, dms lb 2.35 2.45
Apomorphine, USP bots. oz.23.20 -23.70
Archil extract, bbls lb No stocks.
Areca nuts, powd., bbls lb. .15 - .16
Arecoline hydrobromide, NF, bots. oz 5.00 5.75
Arginine hydrochloride, laevo, kilo.70.00 -80.00
Argols, min. 50%, bgs., shipment ports, per 100 kilos (100% purity) 15.00 -16.25
Arnica, flowers, bls lb. .45 - .50
root, bls lb 1.45 - —
Arrowroot, powd., bgs lb. .14 - .16

Arsenic, metal, lump, bbls., prompt shipt lb. .80 - .90
Sulphide, yellow, bbls lb. No stocks.
Trioxide, USP, dms lb. .40 - .42
White, powd., bbls., c.l., dlvd lb. .05½- —
l.c.l., dlvd lb. .06¼- .06¾
Asafetida, cs lb. .32 - .35
powd., bbls., dms lb. .50 - .53
Asbestine (see Talc fibrous N. Y.).
Asbestos, Canadian, crude, No. 1, c.l. (20 tons), mines ton.940.00 -960.00
No. 2, c.l. (20 tons), mines ton.485.00 -492.00
Run-of-mine, c.l. (20 tons), mines ton.400.00 - —
fiber, 3K, c.l. (20 tons) mines ton.313.00 - —
3R, c.l. (20 tons), mines ton.267.00 - —
3T, c.l. (20 tons), mines ton.249.50 - —
3Z, c.l. (20 tons), mines ton.231.00 - —
4K, c.l. (20 tons), mines ton.124.50 - —
4M, c.l. (20 tons), mines ton.124.00 - —
4T, c.l. (20 tons) mines ton.111.50 -141.00
4Z, c.l. (20 tons), mines ton.111.50 - —
5D, c.l. (20 tons), mines ton.88.00 - —
5K, c.l. (20 tons), mines ton.88.00 - —
5M, c.l. (20 tons), mines ton.84.00 - —
5R, c.l. (20 tons), mines ton 78.50 -79.00
6D, c.l. (30 tons), mines ton.56.00 -59.00
7D, c.l. 30 tons), mines ton 52.00 -52.50
7F, c.l. (30 tons), mines ton.49.00 -49.50
7H, c.l. (30 tons), mines ton.41.50 -42.00
7K, c.l. (30 tons), mines ton.35.00 -35.50
7M, c.l. (30 tons), mines ton.30.50 -31.00
7R, c.l. (30 tons), mines ton 29.50 -30.00
7T, c.l. (30 tons), mines ton.28.00 -28.50
7RF, c.l (30 tons), mines ton.30.50 -31.00
7TF, c.l (30 tons), mines ton.30.50 -31.00
8S, c.l. (30 tons), mines ton.19.00 -27.00
Prices quoted above are in U. S. funds. Add $4 per ton for l.c.l lots.

Asphaltum, cut-back, tanks, tank wagon, refinery gal. .09 - —
Emulsion, tanks, tank wagon, refinery gal. .09½- .10

Asphaltum, gilsonite, brilliant black, selects, 270°-295° F. fusing point, bgs., f.o.b. Colo. mines ton.34.00 - —
seconds, 300°-390° F fusing point, not uniform, bgs., Colo. mines ton.31.00 - —
jet, bgs., ton lots, gross weight, Colo. mines ton.36.50 - —
Manjak, No. 10, crude, dms., works lb. .06½- —
process form, bgs., works lb. .05¾- .13
Steam-rfd., less than 80 penetration, tanks, tankwagon, refinery ton.22.00 - —
80-300 penetration, tanks, tankwagon, refinery ton.21.00 - —
Atropine, USP, bots oz.10.50 -11.50
Sulphate, USP, bots oz. 6.25 - 7.00

B

Bacitracin, wholesalers, unlabeled, topical, 2,000 units vial. .42 - —
10,000 units vial. .80 - —
50,000 units vial. 2.88 - —
Balm of Gilead buds, dried, bgs. lb. 1.35 - 1.45
Barbasco root (see Cube root).
Barberry, root bark, bgs lb. .40 - .41
tree bark, bgs lb. .35 - .36
Barbital, USP, dms lb 4.50 - —
Sodium, USP, dms lb 4.77 - —
Barium carbonate precip., bgs., 10 tons and up, works ton.80.00 -85.00
smaller lots, works ton.90.00 -95.00
Chlorate, kgs., works lb. .25½- .31
Chloride, NF, cryst., dms lb. .17 - .18
tech., crystals bgs., c.l., works. ton.100.00 - —
l.c.l., works ton.110.00 - —
Chromate, bgs. frt equald lb. .31½- .32
Dioxide, dms., works lb. .12 - —
Hydrate, crystals, bgs. lb. 09 - .09¼
Hydroxide, anhyd., bbls.,works lb. .19 - —
Iodide, bots. lb. 5.12 - —
Monoxide (see Oxide).
Nitrate, bbls., c.l., works lb. .11½- —
l.c.l. works lb. .13 - —
Oxide, grd., dms., c.l., works lb. .11 - —
l.c.l., works lb. .11½- —
Peroxide (see Dioxide).
Stearate, ctns., c.l lb. .34 - —
smaller lots lb. .35 - .36
Sulphate tech. (see Barytes and Blanc fixe)
X-ray, bbls. lb. .13 - .13¼
Sulphide, dms., c.l., works ton.55.00 - —
l.c.l., works ton.70.00 - —
Barium-potassium chromate, dms., c.l., frt. alld lb. .20 - —
l.c.l. works lb. .21 - —
tech., bgs., c.l., works, frt. equald. ton.90.00 - —
l.c.l., works. ton.100.00 - —
Baryte ore, approx. 94% $BaSO_4$, bulk, mines ton 9.40 -12.50
Barytes, water-grd., paper bgs., c.l. St. Louis ton.37.00 -37.85
l.c.l., same basis ton.38.60 - —
ex whse., N. Y. ton.53.45 -61.75
Southern off-color, bgs., mines ton.19.00 - —
95.75%, bgs., mines ton.20.00 - —
Bay leaves (see Laurel leaves)
Belladonna leaf, bls lb. .43 - .46
Root, bls. lb. .40 - .41
Bauxite bulk, mines ton 8.50 -10.00
Bentonite, 200 mesh, bgs., works.ton.12.00 - —
Benzaldehyde NF, dms lb. .68 - —
tech., cbys., dms lb. .45 - —
Benzal chloride, chys., works lb. .19 - .25
Benzene (see Benzol).
Hexachloride, 99% gamma isomer (see Lindane).
tech., bgs., dms., c.l., works, gamma unit lb. .01¾ - —
l.c.l., works, unit lb. .02 - .02⅛
gamma, 50% dust, dry, distributors, dms., c.l., dlvd., gamma unit lb. .02 - —
l.c.l., dlvd., gamma unit lb. .02½- —
wet, distributors, dms., c.l., dlvd., gamma unit lb. .02½- —
l.c.l., dlvd., gamma unit lb. .03 - —
Benzidine base, bbls lb. 1.02 - —
Benzocaine, dms lb. 3.25 - 3.35
Benzol (benzene), pure, nitration, tanks, works, Lackawanna, N. Y., Sparrows Point, Md gal. .27 - —
Bethlehem, Pa gal. .26 - —
Birmingham, Ala.; Chicago Dist.; Cleveland Dist.; Lone Star, Tex.; Geneva, Utah; Johnstown, Pa.; Lorain, Ohio; Minequa, Colo.; Philadelphia, Pa.; Pittsburgh Dist.; St. Louis, Mo.; Syracuse, N. Y.; Terre Haute, Ind.; Woodward, Ala.; Wyandotte, Mich.; Youngstown, Ohio gal. .25 - —
Benzophenone, dms lb. 1.30 - 1.60
Benzotrichloride, cbys., frt. equald, lb. .18 - .20
Benzoyl chloride, cbys., dms., c.l., works, frt. eq lb. .20½- .21
l.c.l., same basis lb. .21½- .22
Peroxide, pure, fib. ctns., works, lb. .90 - 1.05
Benzyl acetate, f.f.c., cns., dms lb. .60 - .70
Alcohol (see Alcohol, benzyl).
Benzoate, USP, f.f.c., cns., dms lb. .80 - —
Chloride, tech., cbys., c.l., works, frt. equald lb. .19 - .19¼
l.c.l., same basis lb. .20 - .20½
high grade, 2c. higher.
Cinnamate, cns lb. 3.00 - 4.00
Formate, cns lb. 1.60 - 2.10
Propionate, bots lb. 1.35 - 1.65
Salicylate, bots lb. 1.65 - 1.85
Benzylidinacetone, bots lb. 1.80 - 2.45
Benzylisoeugenol, bots lb. 8.90 - 9.50
Berberine, bisulphate, cns lb.35.00 -36.25
Hydrochloride, bots lb.35.00 -36.25
Sulphate, cns lb.35.00 -36.25
Berberis root, bls lb. .55 - .40
Betagammapicoline, dms., c.l., works, lb. .21 - .21¼
l.c.l., works lb. .21½- .22
Betamethylnaphthalene, 32°C. m.p., dms., works lb. .90 - —
Betanaphthol, resublimed, dms., works lb. .77 - —
tech., bbls., c.l., works lb. .30½- —
l.c.l., works lb. .32½- —
Benzoate, fib. dms., works lb. 1.70 - —
Salicylate, dms. lb. 5.00 - —
Betanaphthylamine, tech., bbls., works lb. .90 - —
Betaphenylethylamine, dms., works, 1,000-lb. lots lb. 1.25 - —
smaller lots lb. 1.60 - —
Betapicolin, 98%, dms., works lb. .95 - —
Beth root, bls. lb .45 - .50
Biotin, cryst. gram.10.00 - —
Bismuth chloride, jars lb. 3.97 - —
Citrate, USP VIII, jars lb. 3.29 - —
Hydroxide, dms lb. 4.20 - —
Metal, bxs., ton lots lb. 2.00 - —
Nitrate, cryst., dms lb. 1.87 - —
Oxychloride, dms. lb. 3.97 - —
Oxide, anhydrous, dms lb. 4.02 - —
Phenolsulphonate, fib. dms lb. 4.70 - —
Subcarbonate, USP, dms lb. 2.80 - —
Subgallate, NF, fib. dms lb. 2.75 - —
Subiodide, fib. dms lb. 4.92 - —
Subnitrate, NF, dms lb 2.30 - —
Subsalicylate, USP, dms lb. 3.20 - —

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Bismuth-ammonium citrate, USP, powd., dms lb. 3.82 • —
Black, acetylene, bgs., c.l., works lb. .13½- —
cs., l.c.l. shipt. point lb. .17 .19
Bone, bgs., bbls., l.c.l. dlvd lb. .14½- .22½
Carload price ½c. per lb. less. Deliveries to the Pacific Coast, ex dock or whse., 1½c. per lb higher
Carbon, channel, beads, bulk, c.l., works lb. .0650- —
bgs., c.l., works lb. .0690- —
l.c.l., dlvd. or whse lb. .117 .1175
uncompressed, regular, bgs., c.l., works lb. .0832- —
bgs. ctns. l.c.l. dlvd or whse lb. 13¾- —
furnace, fast extruding, bgs., c.l., works lb. .05½- —
ctns., l.c.l., whse lb. 09½- —
high modulus, bgs. c.l., works lb. .05 —
ctns., l.c.l., whse lb. .09 —
semi-reinforcing bgs., c.l., works lb. .03½- —
ctns. l.c.l. whse lb. .07½- —
very fine, bgs. c.l., works lb. .0740- —
l.c.l., dlvd., or whse lb. .12 • —
Charcoal (see C).
Graphite (see G)
Iron oxide synthetic, bgs., c.l., works lb. .11 • —
l.c.l., works lb. .11¼- —
Lamp, bgs., c.l., works lb. .07 .30
Mineral, bgs., works lb. 0160- 0675
Black ash (see Barium sulphide)
Blackberry bark of root, bls lb. .30 • .32
root, bls lb. .10 • 12
Black dyes (see Dyes).
Black haw, root bark, bls lb. .65 • .75
Tree bark, bls lb. 28 .30
Black indian hemp root, bls. lb 45 .50
Blanc fixe, dry by-product, bgs., c.l., works ton.85.00 • —
l.c.l., works ton.95.00 • —
direct process, bgs., c.l., works ton.85.00 • —
l.c.l., works ton.90.00 • —
N. Y. whse ton.113.00 • —
bbls., c.l., works ton.90.00 • —
l.c.l., works ton.95.00 • —
N. Y. whse ton. 118.00 • —
pulp, 66⅔% bbls. c.l., works. ton.69.00 • —
l.c.l., same basis ton.75.00 • —
Bleaching powder, dms., c.l. works, 100 lbs. 5.00 • —
l.c.l., works 100 lbs. 6.00 • —
Blood, dried, 16-16½% ammo., bgs. unit-ton. 8.00 • —
high-grade, unground, 16-17% ammon., bulk, Chicago unit-ton. 8.00 • —
soluble, bgs., cs lb. .15 • .16
l.c.l. lb. .16 • .18
Bloodroot, bls lb. .47 • .50
Blue, alkali, dry, bbls., dlvd. N. of Tenn. and N.C., E of Miss. R. including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis lb. 1.90 • —
Toner, bbls. litho flushed, same basis lb. 1.03 • —
Celestial, bbls. same basis lb. .15 .16
Chinese, bbls., same basis lb. .37 • .42
Cobalt, genuine, bbls., same basis lb. 4.90 • —
imitation (see Blue, ultramarine)
Copper-phthalocyanine, full strength, bbls., same basis lb 3.75 3.85
80%, bbls., same basis lb 3.00 3.40
Iron (see Blue, Chinese, Milori, Potash, Prussian, and Soda).
Methyl violet toner, bbls., same basis lb. 4.20 • —
Milori, bbls., same basis lb. .37 • .42
Peacock, fugitive, 100% color strength, same basis lb. .60 .79
Permanent toner, green shade, molybdic, bbls., same basis lb. 3.75 • —
tungstic lb 4.00 • —
Potash, CP, bbls., same basis lb. .51 —
Prussian, bbls., same basis lb. .37 • .42
soluble, bbls., same basis lb. .37 • .42
Soda, C.P., bronze, bbls., same basis lb. .39 —
Ultramarine, cobalt type, dry or pulp, bbls., same basis lb. .25 • .26½
jobbing type, dry, bbls., same basis lb. .14 • —
regular types, dry or pulp, bbls., same basis lb. .19 .29
Victoria toner, molybdic, bbls lb 3.75 —
Tungstic, bbls lb 3.75 —
Violet toner, molybdic, bbls., same basis lb. 1.24 —
Tungstic, kgs., same basis lb 2.60 2.70
Blue dry colors, dlvd. prices ½c. higher Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher, Pac. Coast, Denver, Pueblo, Salt Lake City, Wichita frt. equalized with Chicago.
Blue dyes are listed under Dyes.
Blueflag, root, bls. lb. .45 • .50
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Boldo leaves, bls lb. 69 • .12
Bone, raw, bulk, Chicago ton.75.00 • —
junk, bulk, same basis ton.50.00 52.00
Meal, raw, 4½% ammon., 50% phos. bgs., E. works ton.62.50 • —
Chicago, works ton.62.50 • —
steamed, feeding grade, 1% ammon., 60% phos., E. works ton.60.00 • —
Chicago, works ton.60.00 • —
fertilizer grade, 3% ammon., 50% phos., bgs., E. works. ton.62.50 • —
Chicago, works ton.62.50 • —
Phosphate, defluorinated (see D).
precipitated (see Calcium phosphate tribasic precip).
Boneset leaves, bls lb. .15 • .16
Borage flowers, bls lb. .40 • 45
Borax, tech, anhydrous, bgs., c.l., works ton.70.50 • —
ton lots, ex whse N. Y. or Chi ton.115.25 • —
less ton lots, same basis, ton.120.25 • —
bbls., c.l., works ton.90.50 • —
ton lots, ex whse, N. Y. or Chi ton.135.25 • —
less ton lots, same basis, ton.140.25 • —
bulk, c.l., works ton.64.00 • —
crystals, 99½% bgs., c.l., works. ton.61.25 • —
ton lots, ex whse N. Y. or Chi ton.106.60 • —
less ton lots, same basis, ton.111.00 • —
bbls., c.l., works ton.81.25 • —
ton lots, ex whse, N. Y. or Chi ton.126.00 • —
less ton lots, same basis, ton.131.00 • —
bulk, c.l., works ton.57.25 • —

Borax, tech., granular, 99½%, bgs., c.l., works ton.35.25 • —
ton lots, ex whse N. Y. or Chi ton 80.00 • —
less ton lots, same basis, ton.85.00 • —
bbls., c.l., works ton.55.25 • —
ton lots, ex whse N. Y. or Chi ton.100.00 • —
less ton lots, same basis, ton.105.00 • —
bulk, c.l. works ton.31.25 • —
powder, bgs., c.l., works ton.40.25 • —
ton lots, ex whse N. Y. or Chi ton.85.00 • —
less ton lots, same basis, ton.90.00 • —
bbls., c.l., works ton.60.25 • —
ton lots, ex whse N. Y. or Chi ton.105.00 • —
less ton lots, same basis, ton.110.00 • —
bulk, c.l. works ton.36.25 • —
Borax packed in kgs is $40 per ton higher than borax packed in paper bgs. USP borax $15 per ton higher than tech.
Bordeaux mixture, bgs. c.l. works, frt. alld or nearest whse. point lb. .15 .21
l.c.l., same basis lb. .16 .23
Borneol, cns. lb. 2.25 2.50
Bornyl thiocyanoacetate (see Isobornyl thiocyanoacetate)
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur)
Bromine, purified, cs., c.l., frt. alld. E. of Rockies lb. .23 • —
1,000 lbs., same basis lb. .25 • —
single pkgs., same basis lb. .30 • —
dms., lead-lined, dlvd lb. .23 • —
Bromoform, pharmaceutical grade, bots. lb. 1.62 • 2.60
cbys. lb. 1.52 • —

Bromstyrol, bots lb. 5.35 • 5.75
Bronze powder, aluminum (see A).
Gold, litho., cns., dms., works, lb. .50 • .60
moulding, cns., dms., works, lb. .80 • 1.00
printing ink, cns., dms., works lb. .95 1.10
radiator, cans dms works lb. .60 .65
Broomtop, bls lb. .25 .28
Brown, iron oxide, synth. bgs., l.c.l., works lb. .12¼- —
Oxide, metallic, bgs., works lb. .3015- .3040
Sap, crystals, works lb. .12 • —
powdered lb. .13 • —
Sienna, burnt, paper bgs., c.l., works lb. .04¼- .15¼
l.c.l., works lb. .04½- .15½
raw, paper bgs., c.l., works lb. .04½- .13
l.c.l., works lb. .04¾- .13¼
Umber, burnt, American, c.l., bbls., works lb. .05¼- .06½
l.c.l., bgs., works lb. .05½- .07½
Turkey type, bgs., c.l., Boston, Bethlehem, Easton, Pa., Hiwassee, Va., N.Y lb. .06¼- .06¼
l.c.l., works lb. .06½- .08½
raw, American bgs., same basis, lb. .04¼- .06½
Turkey type, bgs., same basis, lb. .06½- .06¾
Vandyke, bbls., works lb. .11 • —
Brucine, cns., 100 ozs oz. .35 • —
Sulphate, NF, cns., 100 ozs oz. .30 • —
Bryonia root, bls lb 29 35
Buchu leaves, bls lb. .45 • .50
Buckthorn bark, bls lb. .12 • .14
cut and sifted, bls lb. .18 • .20
Berries, bgs lb. .80 .90
Burdock, root, bls lb. .20 .25

Butadiene, cyls. refinery lb. .19 • —
tanks, same basis lb. .10½- —
Butane, indust., tanks, group 3 gal. .03 • —
Butternut bark, bls lb. .22 .25
Butyl acetate, fermentation, normal, dms., c.l., same basis lb. .14¾- .29¾
l.c.l., same basis lb. .15¾- .30¾
tanks, same basis lb. .13 • .28
synthetic, normal, dms., c.l., same basis lb. .14¾- —
l.c.l., same basis lb. .15¾- —
tanks, same basis lb. .13 • —
secondary, dms., c.l., same basis lb. .11¼- —
l.c.l., same basis lb. .12 • —
tanks, same basis lb. .09½- —
Alcohol (see Alcohol butyl)
Aldehyde, dms., c.l., works lb 17½- —
l.c.l., works lb. .18 • —
tanks, works lb .16 —
Chloride, dms., c.l., works lb. .41½ —
l.c.l., works lb. .42 • —
Ether (see Ether, butyl).
Lactate, dms. c.l. frt alld E of Rockies lb. 42½- —
l.c.l., same basis lb. 43½- —
tanks, same basis lb. 41 • —
Laurate, dms. works lb. 42 • —
Methacrylate, normal, dms., less than truckload, works lb. .60 • —
Oleate, refd. dms. l.c.l. works lb .52 —
Phenylacetate, dms lb 2.00 2.25
Phthalate (see Dibutyl phthalate)
Stearate, dms. c.l. frt alld E of Rockies lb. .32 • —
l.c.l., same basis lb. .33½- —
Butylamine, dms., c.l., frt. alld lb. .51½- —
l.c.l., same basis lb. .52½- —
tanks, same basis lb. .49¾- —
Butyric ether (see Ethyl butyrate)

for customer appeal

. . . PACKAGE YOUR PRODUCT IN ALCOA TUBES

They're attractive. Made of aluminum, the metal that provides an ideal surface for eye-catching colors. They're strong. Protect the contents until the last drop is used. They're easy to use. Add up these advantages and you've customer appeal for your product—added sales for you.

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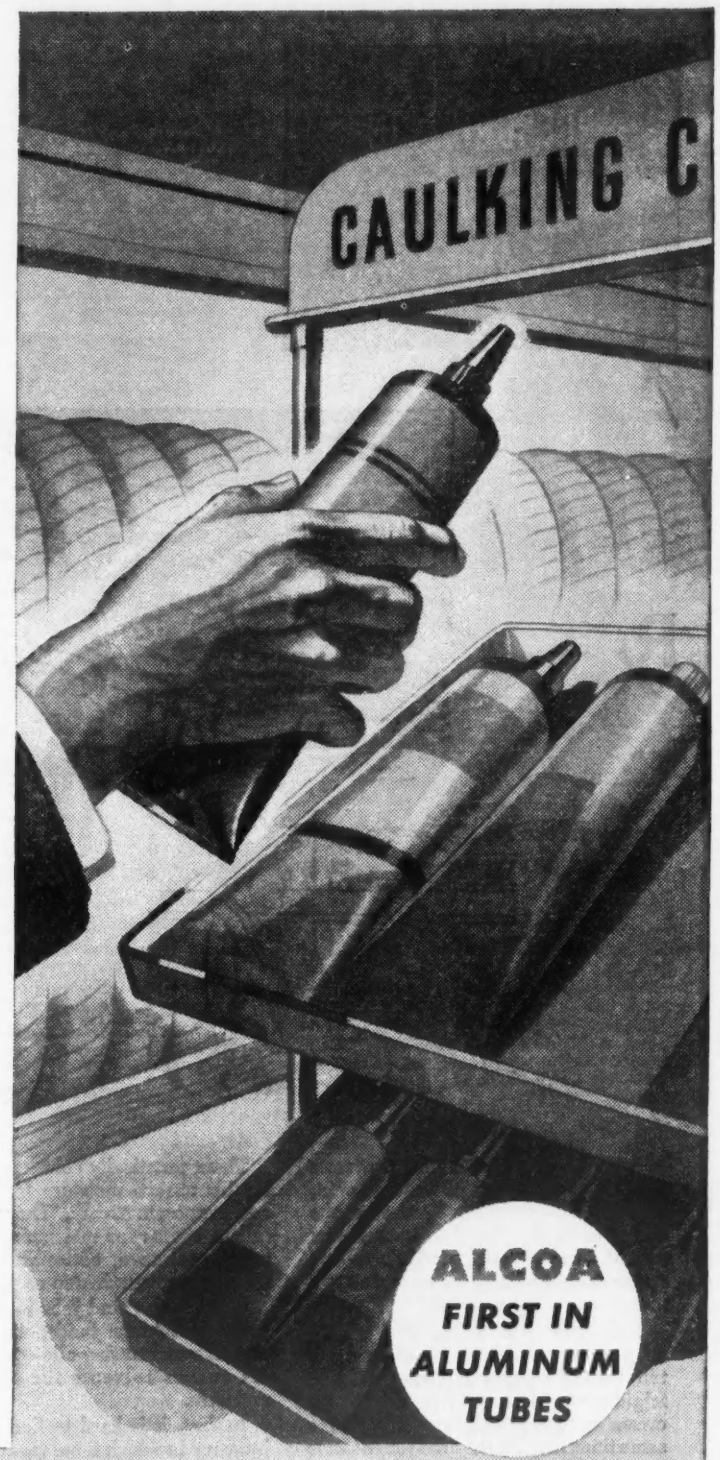
Pittsburgh 19, Pennsylvania



NOZZLE-TYPE TUBE for: greases, lubricants, caulking compounds and adhesives.

BLIND-END TUBE for: buffing and polishing compounds and paint pigments.

CONVENTIONAL TUBE for: many household and industrial items.

SIZES RANGE FROM: ⅞" x 2½" TO 2⅞" x 11¼" (QUART SIZE)

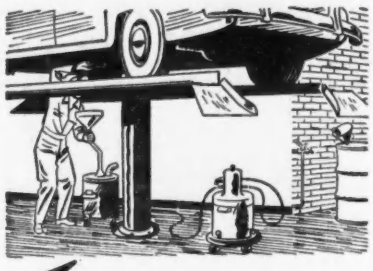
Cacao Butter—Cellulose Acetate

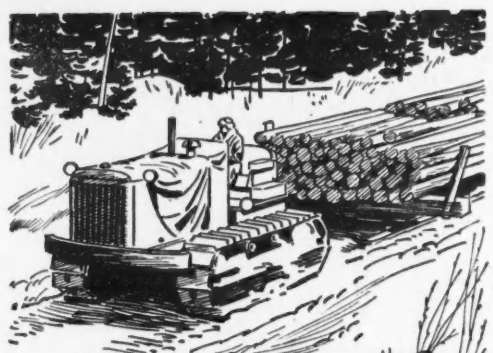
C

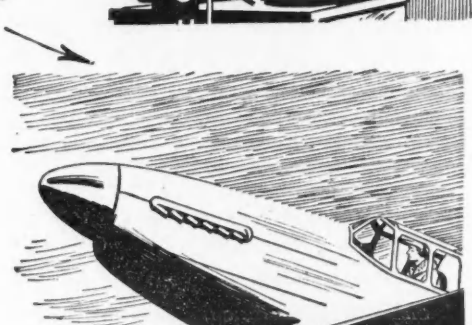
Cacao butter (see Cocoa butter).			
Cadmium iodide, jars	lb	5.00	5.22
Metal, ingots or sticks, cs., dlvd	lb	2.15	—
Stearate, 50-lb. ctns., l.c.l., f.o.b. N.Y., frt. equald	lb	1.25	—
Caffeine natural, USP cryst. ems., 100 lbs or more	lb.	4.75	—
anhydrous, dms. 100 lbs or more	lb	5.00	—
Synthetic, USP cryst., dms., 100 lbs or more	lb	3.80	—
anhydrous, dms. 100 lbs or more	lb	4.00	—
Citrated USP dms. 100 lbs or more	lb	2.60	—
Hydrobromide bots	lb	6.70	Nom.
Calabar beans, ngs. futures	lb	.65	.66
Calamine, USP dms	lb	.27	.29
Calamus root, dom., bgs.	lb	27	30
imported, bleached, bls	lb	70	Nom.
peeled, bls	lb	30	.31
Calciferol, cryst., vials, 250 grams or more, works	gram	1.90	—
25 to 249 grams, works	gram	2.10	—
1 to 24 grams, works	gram	2.30	—
in edible oil, dms., 10,000 or more standard units (1 standard unit equals 1,000,000 USP units), works unit		.04¾-	—
1,000 to 10,000 standard units, works unit		.05¼-	—
less than 1,000 standard units, works unit		.05¾-	—
Calcium acetate, bgs., dlvd.	100 lbs.	3.00	4.00
Arsenate, dealers, dms., c.l., whse., works, frt. alld. on 96 lbs. or over	lb.	.11	—
l.c.l., same basis	lb.	.12	.13
Bromide, NF, jars	lb.	.80	1.00
Carbide, standard generator size, dms., c.l., dlvd	ton.	121.00	—
Carbonate (see Chalk and Whiting).			
Chloride, cryst., purified, bbls., jars	lb.	.28	.30
flake, 77-80%, paper bgs., c.l., works frt. equald	ton.	23.50	—
l.c.l., same basis	ton.	52.00	82.00
liquor, works, basis 40%, tank cars	ton	9.75	—
pellets, bgs., c.l., works	ton.	31.00	—
solid, 73-75% dms. c.l., works, same basis	ton.	22.00	—
l.c.l., works, same basis	ton.	32.00	69.00
USP, gran., bbls	lb.	.30	—
Chromate, bgs., frt. equald	lb.	29½-	.30
Cyanide, dms., dlvd. E. of Rockies	lb.	.30	.50
Gluconate, AA, bbls., dms	lb.	65	72
USP, bbls., dms	lb.	.58	.65
Glycerophosphate, NF, fib. dms.	lb.	1.80	1.95
Hydride, dms., works	lb.	.90	—
Hypochlorite, 100-lb. dms., dlvd. E. of Rockies	dm.	24.00	28.50
cns., cased (45 lbs.) same basis.	cs.	19.75	21.50
Hypophosphite, ton lots and less,	dms	lb.	.80	.83
Iodide, jars	lb.	4.10	4.12
Calcium lactate, USP, dms., 10,000 lbs. or more, works	lb.	.37	—
smaller quantities, works	lb.	.38	.44
Mandelate, USP, dms., works	lb.	2.10	2.25
Naphthenate, liq., 4% Ca, dms., frt. equald	lb.	.23¾-	—
Nitrate, tech., bbls., works	lb.	.10	.12
Pantothenate, dextro, jars, 100 grams or more, frt. adjusted	gram.	.07½-	—
Phenolsulphonate, dms	lb.	.64	.65
Phosphate, dibasic, USP, bgs., c.l. 1,000 lbs.	100 lbs.	6.75	—
l.c.l.	100 lbs	7.10	7.45
feed grade, bgs., 15 tons, works	ton.	105.00	—
one ton or over, works	ton.	115.00	—
less than one ton, works	ton.	125.00	—
monobasic, bgs., 10,000 lbs., works, frt. equald	lb.	.05¾-	—
smaller lots, same basis	lb.	.06¼-	—
tribasic, bgs., c.l., works 100 lbs.		6.50	—
l.c.l., works	100 lbs.	6.95	7.30
Phytate, bgs., works	lb.	.28	—
Resinate, precip. dms. frt. alld., works	lb.	.24	—
Silicate, hydrated, bgs., c.l., works	lb.	.05½-	—
l.c.l., works	lb.	.06	—
Stearate, precip. ctns., c.l., works.	lb.	.32	—
l.c.l., works	lb	.33	.34
Sulphate (see Gypsum).			
Sulphide luminous, tins, works	lb.	1.25	—
Calcium-strontium sulphide, phosphorescent, dms., works	lb	1.06	1.50
fine particle size, dms. works	lb.	1.50	1 75
Calendula flowers, bls	lb.	.45	.60
Calomel, USP, fine powd. dms.	lb	1.97	1.98
reg. powd., dms	lb	1.82	—
Camphene, chlorinated, 67-69% (see Toxaphene).			
Camphor, monobromated, NF, dms.,	kgs	lb.	2.75	2.85
natural, powd., 100-lb. lots		lb.	.45	.55
tablets, 1-oz., ½-oz., cs		lb.	.85	.93
Synthetic, tech., bbls., 2,000 lbs. or more, whse.		lb.	.38	—
10 bbls. (1,500 lbs.)		lb.	.40	—
smaller lots		lb.	.41	.51
USP, gran., powd., bbls., 2,000-lb. lots		lb.	.45	—
1,000-lb. lots		lb.	.46	—
smaller lots		lb.	.47	—
tablets, tins, 2,000-lb. lots.		lb.	.73	—
1,000-lb. lots		lb.	.74	—
smaller lots		lb.	.75	—
Canada balsam (see Fir balsam).				
Canella alba bark, bls		lb.	.25	.30
Cantharides, Chinese, cs		lb.	.75	.85
powd., bxs.		lb	.90	1.05
Russian, bgs.		lb	3.85	3.90
powd., bxs.		lb.	4.00	4.10
Capsicum (see Pepper, red)				
Oleoresin, NF, from domestic pepper		lb.	4.00	6.50
from African pepper		lb.	5.75	6.75
Caramel coloring, NF, bbls		gal.	1.05	1.20
Caraway, Dutch		lb.	.16½-	.17
Carbazole, 97% steel dms., ton lots, works		lb.	1.55	—
bbls., same basis		lb.	1.65	1.85
Carbinol, butyl, secondary, dms., l.c.l., works		lb.	.70	—
Methylisobutyl, dms., c.l., frt. alld. E.		lb.	.14½-	—
l.c.l., same basis		lb.	.15	—
tanks, same basis		lb.	.12½-	—
Carbon bisulphide, 50-gal. dms., c.l., works, frt. alld. to competitive points		lb.	.06¼-	—
l.c.l., same basis		lb.	.07¼-	—
5-gal. dms., c.l., same basis		lb.	.08½-	.08¾
l.c.l., same basis		lb.	.09½-	—
tankcars, same basis		lb.	.0440-	—
Dioxide, cyls		lb.	.06	.08
Carbon tetrachloride, c.p., dms., works		lb.	.10¾-	—
NF, cbys		lb.	.17	.19
tech., dms., c.l., E. of Rockies, frt alld		lb.	.08	—
W. of Rockies, f.o.b. stock points		lb.	.09	—
l.c.l., E. of Rockies, frt. alld.		lb.	.091	—
W. of Rockies, frt. alld.		lb.	.09¾-	—
tanks, E. of Rockies, frt. alld.		lb.	.07¼-	—
W. of Rockies, frt. alld		lb.	.08¼-	—
Carboxymethylcellulose-Sodium—See CMC				
Carbromal, NF, dms., 100-lb. lots, works		lb	4.00	4.25
smaller lots, works		lb.	4.10	4.75
Cardamom fruit, bleached, bold, fancy, cs.		lb.	3.60	3.65
bold, cs.		lb.	3.50	3.55
medium, cs		lb.	3.30	3.35
decorticated, Alleppey, cs.		lb.	4.00	4.05
Ceylon, cs.		lb.	3.40	Nom.
Guatemala, cs.		lb.	3.45	Nom.
Indian, cs		lb.	3.20	Nom.
Mangalore, cs		lb.	3.35	3.40
green, Alleppey, bgs.		lb.	2.75	2.80
Ceylon, bgs		lb.	2.75	2.80
seed (See Cardamom fruit, decorticated)				
Carmine No. 40, NF, bulk, 100 lbs. or more, dlvd		lb.	5.50	—
smaller lots, dlvd		lb.	5.65	6.15
Carotene, crystals, research grade, ampuls, pure alpha or beta,	10 mg.		5.00	—
90% beta-10% alpha, ampuls	100 mg.		2.00	—
gram quantities	gm.		5.00	—
technical, 1,350,000 A units per	gram	gm.	.67½-	—
tins, works		gm.	.40	—
dry powder, 3,330 A units per	gram	lb.	.81	—
Carotene, technical, emulsion (in milk), 600,000 A units per 16-oz. cn		cn.	1.00	—
in vegetable oil, 166,666 A units, per gram		lb.	25.24	—
50,000 A units per gram		lb.	7.86	—
8,800 A units, per gram, tins, works milli. units.			.18	—
dms., works milli. units.			.16	—
3,330 A units per gram		lb.	.85	—
microcrystalline, in oil, 400,000 A units per gram, tins, works milli. units.			.24	—
Carvol, bots.		lb.	8.75	9.00
Cascara sagrada bark, bulk		lb.	.30	.33
Case-hardening mixture, 30% gran. dms., l.c.l., works		lb.	.10½-	—
Casein dom., acid-precip. standard, bgs., 10,000 lbs. or more, ship't point		lb.	.33½-	.34½
premium, bgs., 10,000 lbs. or more, ship't point		lb.	.29	.37
imp. acid-precip., ground 100 bgs or more, ex-dock		lb.	.35½-	—
rennet-precip., bgs., 10,000 lbs. or more, ex-dock		lb.	.36	.37
Cashew nut, lig., treated, dms., c.l., t.o.b. Newark, N. J.		lb.	.21	—
ton lots same basis		lb.	.22¼-	—
dm lo's. same basis		lb.	.24¼-	—
Cassia, Batavia, longstick, bls.		lb.	.29	.30
broken		lb.	.21	.22
shortstick, bls.		lb.	.20	.20½
China, Canton, Kwangsi, rolls, select, cs.		lb.	.16½-	.17
broken, bls		lb.	.14¼-	.14½
Honan, Yunnan rolls, scraped, bls.		lb.	.18	.18¼
broken, bls		lb.	.17	.17¼
unscraped, bls.		lb.	.17	.17¼
broken, bls		lb.	.16½-	.17
Cassia, Saigon, broken, bls.		lb.	.36	.38
medium, bls.		lb.	.46	.48
thin, bls.		lb.	.48	Nom.
Cassia fistula, bskts		lb.	.30	.35
Castor beans, bgs., f.o.b. Brazilian ports	long ton.		No prices.	
Oil (see Oil, castor).				
Pomace, bgs., c.l., works	ton.		30.50	—
Castoreum, natural, cns		lb	7.00	30.00
artificial, cns.		lb.	9.00	9.25
Catechol, CP. cryst. fib. dms., works		lb	2.00	—
resublimed, dms., works		lb	4.00	—
Catnip, bls.		lb.	.60	.65
Celery seed, French, bgs.		lb.	.42	.43
Indian, bgs.		lb.	.28	.28½
Celluloid scrap (see Pyroxylin scrap).				
Cellulose acetate, flake, ctns., works, frt. alld. on 100 lbs. or more		lb.	.36	.38
molding, composition, plain colors, translucent, metallic pearls, special black, dms., c.l., frt. alld		lb.	.40	—
l.c.l., same basis		lb.	.45	.51
regular, black, dms., l.c.l., same basis		lb.	.31	.39
variegations, dms., l.c.l., same basis		lb.	.50	.59
molding and extrusion transparents, dms., c.l., same basis		lb.	.47	—
l.c.l., same basis		lb.	.49	.54
extrusion compounds, translucent metallic pearls, special black, dms., c.l., same basis		lb.	.42	—
l.c.l., same basis		lb.	.44	.48

PRESCRIPTION FOR INDUSTRY'S CHILLS AND FEVERS

Rx







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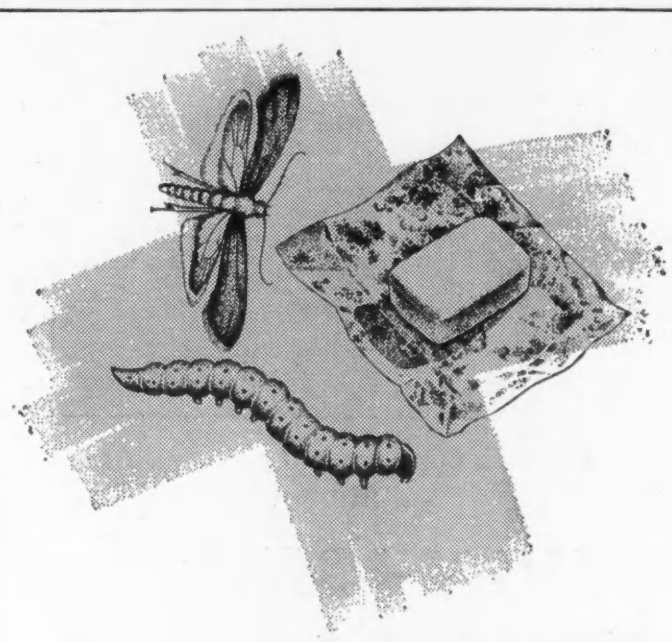
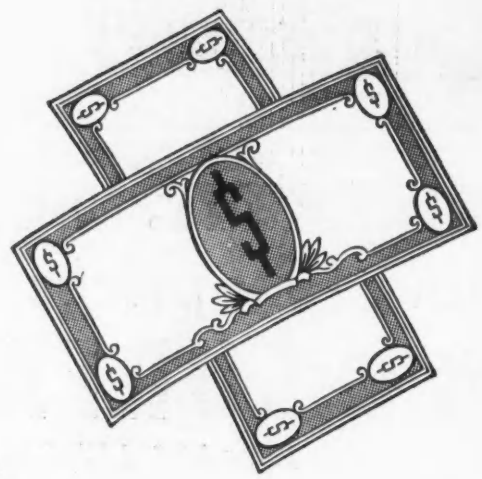
Wyandotte Chemicals Corporation is one of the world's major producers of soda ash, caustic soda, bicarbonate of soda, chlorine, dry ice and calcium carbonate. Wyandotte produces glycols and related compounds, certain aromatic sulfonic acid derivatives and other organic intermediates. Wyandotte is also the world's largest manufacturer of specialized cleaning compounds for business and industry.

Cellulose acetate-butyrate, flake, 17% butyryl content, ctns., 500 lbs. or over, works lb. .54 - —
less than 500 lbs., works. lb. .55 - —
17.5% butyryl content, ctns., 500 lbs. or over, works lb. .50 - —
less than 500 lbs., works. lb. .51 - —
26.5% butyryl content, ctns., 500 lbs. and over, works lb. .52 - —
less than 500 lbs., works lb. .53 - —
37% butyryl content, ctns., 500 lbs. and over, works lb. .52 - .55
less than 500 lbs., works lb. .53 - .56
48% butyryl content, ctns., 500 lbs. and over, works lb. .57 - —
less than 500 lbs., works lb. .58 - —
molding composition plain colors, pearls, transparents, special black, dms. l.c.l., frt. alld. lb. .56 - .61
regular black, dms. l.c.l., same basis lb. .44 - .48
variegations, dms., c.l., same basis lb. .61 - .66
Triacetate, flake, ctns., works, frt. alld. on 100 lbs or more lb. .40 - —
Cerium hydrate, dms., works lb. 1.25 - —
Oxalate, NF, bbls., bgs., works lb .70 - .72
Oxide optical grade, bgs. under 100 lbs., works lb 2.25 - —
kgs., 100-lb lots, works lb 1.85 - —
Chalk, precip., cosmetic, dentifrice, drugs, bgs., c.l., works lb .02⅞- .05½
l.c.l., ex whse lb .04 - —
paint, bgs. c.l. works ton.40.00 - —
papermakers, ngs. c.l., works ton.32.50 -40.00
rubber makers bgs. c.l., works ton.30.00 —
Chamomile flowers, Hungarian, cs lb. .65 - .85
Roman, bls lb. .85 - .90
Charcoal, activated, USP, fib. dms., c.l., works lb. .25 - .32
5-ton lots, works lb. .26½- .32½
smaller lots, works lb. .27 - .50
Bone, NF, bbls lb. .23 - —
Hardwood, briquets, bgs., c.l., works ton.51.80 - —
bulk, c.l., works ton.49.80 - —
granular, bgs. incl. c.l. works ton.46.80 -69.00
lump, bgs., extra, returnable, c.l., works ton.41.80 -45.50
bulk, c.l., works ton.38.80 -43.50
Pinewood, gran. powd., ngs., c.l. works, South ton.40.00 - —
l.c.l., works ton.40.00 -50.00
lump bgs., c.l., works, South ton.40.00 - —
l.c.l., works, South ton.40.00 -50.00
bulk, c.l., works, South ton.30.00 —
Chestnut extract, 25% tannin, bbls., c.l., works lb. .0415- —
l.c.l., works lb. .0440- .0450
tanks, works lb. .0345- —
powd., 60% tannin, bgs., extra, c.l., works lb. .09 - —
l.c.l., works lb. .0970- .1055
China clay, dom., dry-grd., air-float, 99.75% 300 mesh, bgs., c.l. works ton.12.50 -13.00
l.c.l., works ton.13.50- 14.00
bulk, c.l., works ton. 9.50 -10.00
200 mesh, bgs., c.l., works ton.10.00 -12.00
l.c.l. works ton.11.00 -16.00
wet-grd., silk-bolt, 99½%, 325 mesh bulk, c.l., works ton.13.00 - —
paper bgs., c.l., works. ton.16.00 - —
imported, white, lump, bulk, c.l., ex dock Phila., Portland, Me. gross ton.19.00 -40.00
powd., ngs. c.l., ex dock, net ton.35.00 -45.00
l.c.l., ex whse net ton.45.00 -60.00
Chloral, tech., 94% min., dms., c.l., works lb. .23 - —
l.c.l., works lb. .24 - —
tanks, works lb. .21 - —
Hydrate, USP, jars lb. 1.05 - 1.10
Chloramine T, NF bbls., works lb. .75 - 1.00
Chloroanisidin, dms., frt. equald lb. 1.25 - —
Chlordane, agricultural, dms., pails, c.l., works lb. .65 - —
l.c.l., works lb. .70 - .75
refined, dms., c.l., works lb. .75 - —
l.c.l., works lb. .80 - .85
Chlorinated paraffin, dms., frt. alld. lb. .12½- .13¼
Rubber, standard, ctns., c.l., works lb. .42 - —
l.c.l., works lb .43 - —
Chlorine, liquid, cyls., c.l., NY lb. .08¾- —
l.c.l., NY, stock points lb. .10¼- —
tanks, single units, works, frt. equald 100 lbs. 2.55 - —
multiple units, 3 cars, works, frt. equald 100 lbs. 3.05 - —
2 cars, same basis 100 lbs. 3.65 - —
1 car, same basis 100 lbs. 4.25 - —
Chloroform, tech., dms., c.l., divd. E lb. .18 - .20
l.c.l., same basis lb. .20 - .22
tanks, same basis lb. .16 - —
USP, dms. lb. .30 - .35
Chloro(4)-2-Toluidine, bbls. lb. 1.38 - —
Chlorophyll, oil soluble, water soluble, cosmetic and pharmaceutical, bots lb. 3.75 - 4.25
Chloropicrin, com'l, bots lb 1.40 - —
cyls., 180-lbs., frt. alld. lb. .91 - —
100-lbs., same basis lb. .93 - —
25-lbs., same basis lb. 1.18 - —
Cholesterol, USP, fib. dms., 100-lb. lots lb 6.50 - —
5-lb. pkg. lb 9.00 - —
1-lb. pkg. lb 9.50 - —
Choline bitartrate, fib. dms., frt. adjusted lb. 2.30 - 2.55
Chloride, fib. dms., same basis lb. 2.30 - 2.55
Dihydrogen citrate, fib. dms., same basis lb. 2.30 - 2.55
Chromium acetate, powd., 72% Cr., bbls., works lb. No stocks
solut., 7½% bbls., works lb. .08 - —
cbys. lb. .09¾- —
8½%, bbls., works lb. .08½- —
cbys. lb. .10¼- —
Fluoride, bbls., works lb. .44½- —
Green (see Green, chrome).
Oxide (see Green, chromium oxide).
Oleate, solid, bbls lb. .49 - —
Trioxide, USP, bots lb. .82 - —
Yellow (see Yellow, chrome).
Chrysarobin, USP, bots lb. 7.65 - 9.29
Cinchona bark NF, red, quill, 20-inch, cs lb. 1.26 Nom.
broken, bgs lb. .40 - .45
yellow, broken, bgs lb. .32 - .35
Cinchonidine, cryst., cns., 100 ozs. oz. .71 - .72
Sulphate, cns., 100 ozs oz. .37 - .40½
Cinchonine, cryst., cns., 100 ozs. oz. .57 - .65
Sulphate, NF, cns., 100 ozs oz. .30½- .42
Cinchophen, NF, heavy density, dms., frt. adjusted lb. 3.70 - 4.05
Standard density, dms., same basis lb. 3.50 - 3.85
Cinchophen-sodium, dms., frt. adjusted lb. 4.50 - 4.85
Cinnamic alcohol (see Alcohol, cinnamic)
Aldehyde, cbys., cns., dms. lb. .90 - 1.20
Cinnamon, Ceylon, No. 2, bls. lb. .45 - .47
Citral, bots., cns. lb. 5.35 - 5.55
Citronellal, bots., dms. lb 2.50 - 4.75
Citronellol, bots., dms. lb. 2.85 - 3.15
Civet, bots. oz. 4.00 -13.00
artificial, bots lb.13.75 -15.00
Clove, Madagascar, bls. lb. .27 - .27½
futures, bls lb. No offers
Zanzibar, bls. lb. .27 - .27½
afloat lb. .27 - .27½
Clover tops, red, dom., bgs. lb. .65 - .70
imported, bgs lb. No stocks
CMC, purified, high vis., ctns., 20,000 lbs or over, works, frt. alld lb. .57 - —
smaller lots, same basis lb. .59 - .69
low and medium vis., ctns., 20,000 lbs. or over, works, frt. alld lb. .54 - —
smaller lots same basis lb. .56 - .66
tech., low and medium vis., dms., c.l., works, frt. alld lb. .41 - —
l.c.l., works lb. .43 - —
Coaltar, coal-gas, water-gas, crude, resale, dms. c.l., ex-whse, gal. .23½- —
l.c.l., ex-whse gal. .25 - —
tanks, ex-whse gal. .13½- —
refd., resale bbls. c.l. ex-whse, gal. .24½- —
l.c.l., ex-whse gal. .26 - —
tanks ex-whse gal. .14½- —
Cobalt acetate, bbls. divd lb. .93½- —
Carbonate, 46% powd., bgs., works lb. 1.65 - —
Chloride, 24.5% Co, kgs., works lb. .91¼- —
Hydrate, 60.3% Co bbls lb. 2.13 - —
Linoleate, paste, 6% Co, dms. lb. .57 - —
solid 8½% Co dms lb. .66½- —
8% Co, dms lb. 62½- —
Metal, 97.99%, kgs., ex-whse. lb. 1.80 - —
under 100 lbs., ex-whse lb. 1.82 - 1.87
Cobalt naphthenate, liq., 6% Co, dms. lb. .37¼- —
Nitrate, 20.4% Co, bbls lb. .78¾- —
Oxide, black, kgs lb. 1.38 - —
Phosphate, feed grade, 34% Co, kgs. lb. 1.31¼- —
Resinate, fused 3% Co dms lb. .22¾- —
Sulphate, bgs, 21% Co, kgs lb. 1.05 - —
Cocaine, USP, cns., 100-oz oz.15.00 - —
Hydrochloride, cns., 100-oz. lots oz.11.75 - —
Cochineal, gray, bgs lb. .67 - .68
silver, Teneriffe, bgs lb. .69 - .70
Cocillana bark bgs lb. .16 - .17
Cocoa butter, bgs lb. .84 - .85
Codeine, NF cns. 100 ozs oz.13.25 - —
Hydrochloride, cns., 100 ozs oz.11.85 - —
Phosphate, USP cns., 100 ozs oz.10.25 - —
Sulphate, USP cns. 100 ozs oz.10.75 - —
Codliver oil (see Oil, codliver).
Cohosh, black root, bls lb. .20 - .25
Blue, root, bls lb. .15 - .17
Colchicine, USP, bots., cns oz.79.00 -85.00
Colchicum root, bls lb. .60 - .70
Seed, bgs. lb. 1.10 - 1.20
Collodion, USP, dms lb. .21 - —
Flexible USP, dms lb. .22½- —
Colocynth, pulp, bls lb. .25 - .27
Colombo root, bls. lb. .13 - .15
Coltsfoot leaves, bgs lb. .30 - .35
Condurango bark, bgs lb. .20 - .22
Copaiba balsam, cns., dms lb. .68 - .75
Copper acetate, cupric bbls., works lb. .28 - —
smaller containers, works lb .29 - .30
Carbonate, 55%, bgs., works lb.20.90 -21.90
Chloride, anhyd., bbls., works lb. .30½- —
crystals, bbls., works lb. .20¼- —
Citrate, USP, 5-lb. bots lb. 2.40 - —
Cyanide, tech., bbls lb. .494 - .514
Copper gluconate, cns., dms lb. 3.00 - 3.24
Hydrate, dms., frt. alld. E. Miss. lb. .27½- .28
Metal, electrolytic, divd lb. .22½- —
Naphthenate, liquid, 8% Cu, dms., frt. alld lb. .22¾- —
Nitrate, tech., cryst., bbls., works. lb. .25¼- —
Oleate, liquid, 8.5% Cu, bbls. lb. .27 - —
solid 10% Cu, bbls lb. .39 - —
Oxide, black, bbls., works lb. .29 - .35
red, com'l, bbls., works lb. .30 - .35
Oxychloride-sulphate, bgs., frt. alld. lb. .24¼ Nom.
Quinolate, fib. dms lb. 3.50 - —
Resinate, precip., dms., frt. alld. lb. .24 - —
Stearate, bgs, works lb. .39½- —
Sulphate, cryst., 99%, bgs., c.l., works 100 lbs. 8.10 - —
l.c.l. 100 lbs. 8.35 - 9.10
CP, cryst., gran., dms., works. lb. .1385- —
monohydrated, 35%, dms., c.l., works 100 lbs.13.30 - —
tribasic, dealers, bgs., c.l., works, frt. alld lb. .226 - —
l.c.l., works lb. .236 - —
USP, gran., cryst., dms lb. .1385- .26
Undecylenate, dms lb. 2.50 - 2.75
Copperas, cryst., gran., bgs., c.l., works ton.17.00 - —
l.c.l., works 100 lbs. 1.55 - 2.00
bbls., c.l., works ton.20.00 - —
bulk, c.l., works ton.14.00 - —
Copra, c.i.f., Atlantic, Gulf ports ton.215.00 - —
Pacific ports ton.210.00 - —
Coriander seed, Argentine, bgs lb. .19 - .20
Italian, bgs lb. No stocks
Moroccan, bgs. lb. .26 - .28





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SANTOPHEN* 20 (Pentachlorophenol, Tech.)
TRICHLOROBENZENE, Technical
NIFOS*-T (Tetraethyl Pyrophosphate, Tech. For agricultural use only)
NIRAN* (Parathion. For agricultural use only)

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2,4-D SODIUM SALT
2,4-D ISOPROPYL ESTER
2,4,5-T ACID
2,4,5-T ISOPROPYL ESTER
SANTOBRITE* (Sodium Pentachlorophenate, Tech.)
SANTOPHEN 20 (Pentachlorophenol, Tech.)

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Corn Sugar—Di-isobutyl Ketone

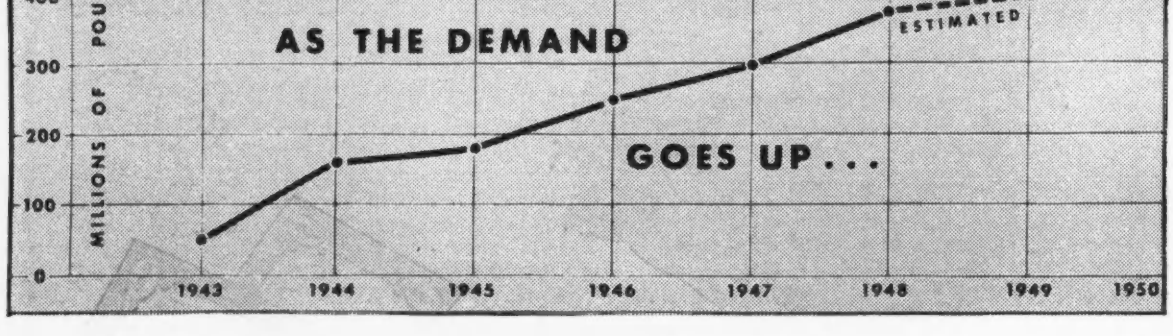
Corn sugar, tanners, chipped, paper bgs., c.l., 60,000 lbs. min. 100 lbs. 6.24 • —
bbls., c.l., same basis 100 lbs. 6.30 • —
Syrup, 42°, bbls., c.l. 100 lbs. 6.52 • —
l.c.l. 100 lbs. 6.67 • —
Cornsilk, bls. lb. .15 • .19
Corrosive sublimate, NF, cryst., dms., 50 lbs. or more lb. 1.62 • —
gran., powd., dms., 50 lbs. or more lb. 1.33 • —
Cottonroot bark, bls lb. .26 • .28
Cottonseed hull ash, 32-36% potash, bgs., dlvd., unit-ton 1.75 • —
Meal, 41% protein, bulk, Memphis ton 66.00 • —
Coumarin, NF, cns. lb. 3.00 • 3.25
powd., cans lb. 3.25 • 3.50
Cramp bark, NF, bls. lb. 1.00 • 1.05
Cranesbill root, bls lb. .25 • .30
Cream of tartar, dom., NF, gran. or powd., bbls., 5,000 lbs. one ship lb. .27½ • —
smaller lots, bbls., kgs lb. .28 • .29
Creosote, coaltar, crude, tanks, works, frt. equald gal. .14 • .18
refined, dms., c.l., works gal. .36½ • .40
l.c.l., same basis gal. .37½ • .47
tanks, same basis gal. .23½ • —
solution, 90%, tanks, works gal. .168 • —
NF, beechwood, bots., cbys. lb. 1.15 • 1.20
hardwood, bots, cbys lb. .85 • —
Pinewood, dms gal. .31 • .32
Carbonate, NF, bots., cbys. lb. 2.35 • 2.40
Cresols, tech., dry, above 207°C, non-ret. dms., c.l. frt. equald. lb. .138 • —
l.c.l., same basis lb. .141 • —
Cresols, tech., dry, above 207°C, ret. dms., c.l., same basis. lb. .1375 • —
l.c.l., same basis lb. .1410 • —
tanks, same basis lb. .125 • —
USP, non-ret. dms., c.l., same basis lb. .148 • —
l.c.l., same basis lb. .151 • —
ret. dms., c.l., same basis lb. .145 • —
l.c.l., same basis lb. .148 • —
tanks, same basis lb. .135 • —
Crotonaldehyde, 91-93%, dms., c.l works lb. .16½ • —
l.c.l., works lb. .17 • .20
Cryolite, nat., dealers, bgs., c.l., works 100 lbs. 13.75 • —
bbls., l.c.l., works 100 lbs. 14.00 • —
Cube root, powd., 5% rotenone, bgs., ton lots, works lb. .26 • .30
Cubeb berries, XX NF bgs lb. .35 • .45
powd., cs. lb. .44 • .54
Culvers root, bbls. lb. .50 • .60
Cumene, dms., c.l. lb. .08 • —
l.c.l. lb. .09 • —
tanks gal. .53 • .56
Cumin seed, Iranian, bgs. lb. .17 • .17½
Morocco, bgs. lb. .17 • .17½
Syrian, bgs. lb. .17 • .17½
Cutch, extract, 55% tannin, bgs., ex dock lb. .06¾ • —
Cyanamide, fertilizer mixing grades, 20.6% N, gran., bulk, Niagara Falls, Ont., contracts, ton 46.50 • —
ton 46.50 • —
pulv., 21% N., bgs., same basis unit-ton 2.25 • —
Cyclohexane, tech., dms., c.l., works. lb. .11 • —
l.c.l., works lb. .11¾ • —
tanks, works lb. .09¼ • —
Cyclohexanol, tech., dms., c.l., works. lb. .31½ • —
l.c.l., works lb. .33 • —
tanks, works lb. .30 • —
Cyclohexanone, tech., dms., c.l. lb. .26½ • .30
l.c.l., works lb. .27 • .31
tanks, works lb. .25 • .29
Cyclohexylamine, dms., c.l., works. lb. .36½ • —
l.c.l., works lb. .37½ • —
tanks, works lb. .35½ • —
Cyclopropane, USP 2 lb. cyls, works, cyl. 40.00 • —
6 oz. cyls., works cyl. 10.50 • —
Hospitals, cyls., 40 gal. lots gal. .32 • —
100-gal. lots gal. .31 • —
200-gal. lots gal. .30 • —

D

2, 4-D, bbls., c.l., works, frt. equald. lb. .43 • .48
l.c.l., same basis lb. .48 • .60
Isopropyl ester, dms., c.l., works lb. .54 • —
l.c.l., works lb. .59 • .66
Damiana leaves, bls. lb. .40 • .45
Dandelion root, bls. lb. .50 • .55
DDD, tech., fine grd., fib. dms., c.l., works lb. .51 • —
l.c.l., works lb. .51¼ • —
lump, fib. dms., c.l., works lb. .49 • —
l.c.l., works lb. .49½ • —
DDT, fiber dms., c.l., works, frt. equald lb. .34 • .36
smaller lots, same basis lb. .35 • .38
Decanol, normal, tech., dms., c.l., dlvd lb. .34½ • —
l.c.l., dlvd. lb. .36½ • —
tanks, dlvd. lb. .32 • —

Deertongue leaves, bls. lb. .30 • .38
Defluorinated phosphate, 0.5% b.p.l., paper bgs., works ton 44.18 • 55.75
Rock, 14½%P. paper bgs., works ton 45.00 • —
Degras, common, bbls. lb. .11 • .12
Neutral, less 2% ffa., bbls. lb. .21 • .23
over 2% ffa., bbls lb. .20 • .21
Derris root, 5% rotenone, powd lb. .42 • —
Desoxyephedrine hydrochloride, dextro, dms lb. 30.00 • —
dextro-laevo, dms lb. 7.50 • —
Dextrin, corn, gum, paper bgs., c.l. 100 lbs. 7.65 • —
l.c.l. 100 lbs. 7.80 • —
Chicago, c.l. 100 lbs. 7.00 • —
canary, paper bgs., c.l. 100 lbs. 7.49 • —
l.c.l. 100 lbs. 7.64 • —
Chicago, c.l. 100 lbs. 6.84 • —
dark, paper bgs., c.l. 100 lbs. 7.59 • —
l.c.l. 100 lbs. 7.74 • —
Chicago, c.l. 100 lbs. 6.94 • —
white, paper bgs., c.l. 100 lbs. 7.34 • —
l.c.l. 100 lbs. 7.49 • —
Chicago, c.l. 100 lbs. 6.69 • —
Corn dextrin in cotton bgs. 12c. to 15c. per 100 lbs. higher.

Potato, bgs lb. .08½ • .09
Tapioca, pure, envelope, bgs lb. .15 • .16
Dextrose, USP dms lb. .17¾ • —
Diacetone (see Alcohol, diacetone).
Diacetyl, flavor grade, bots lb. 6.00 • 6.55
laboratory grade, bots 100 grams 4.50 • —
tech., bots., works lb. 3.00 • —
Diamyl ether (see Ether, amyl).
Phthalate, dms., c.l., dlvd, E lb. .34¼ • —
l.c.l., dlvd, E lb. .35¼ • —
tanks, dlvd, E lb. .32½ • —
Dianisidin, dms lb. 1.75 • —
Diatomaceous earth, dom., bgs., c.l., Atlantic coast ton. 50.00 • 52.00
California ton. 38.00 • 40.00
l.c.l., ex whse ton. 80.00 • —
purified, bgs., c.l., Atl. coast ton. 62.00 • —
California ton. 50.00 • —
l.c.l., ex whse ton. 90.00 • —
Imported, Algerian, bgs., c.l., Atlantic coast ton. No prices.
Mexican, white, bgs., c.l., Atlantic coast lb. .03 • —
l.c.l., Atlantic coast lb. .06 • —
Dibenzyl sebacate, dms., c.l., works. lb. .66½ • —
l.c.l., works lb. .67 • —
tanks, works lb. .65 • —
Dibutoxyethyl sebacate, dms., c.l., works lb. .55½ • —
l.c.l., works lb. .56 • —
tanks, works lb. .54 • —
Dibutyl phthalate, dms., c.l., dlvd. lb. .29 • .29¾
l.c.l., dlvd. lb. .30 • .30¾
tanks, dlvd. lb. .27½ • .28¼
Sebacate, dms., c.l., works lb. .51 • —
l.c.l., works lb. .51½ • —
tanks, works lb. .49½ • —
Tartrate, dms., works, frt. alld lb. .62 • —
Dibutylamine, dms., c.l., frt. alld lb. .51½ • —
l.c.l., frt. alld lb. .52½ • —
tanks, frt. alld. lb. .49¾ • —
Dicapryl pnthalate, dms., c.l., dlvd. lb. .36½ • —
l.c.l., dlvd. lb. .37½ • —
tanks, dlvd. lb. .35 • —
Sebacate, dms., c.l., works lb. .54½ • —
l.c.l., works lb. .55 • —
tanks, works lb. .53 • —
Dichloroanilin, dms., works lb. .75 • .80
Dichlorodiphenyldichloroethane (see DDD).
Dichlorodiphenyltrichloroetnane (see DDT).
Dichloroethyl ether (see Ether, dichloroethyl).
Dichloropentanes, dms., c.l., works. lb. .047 • —
l.c.l., works lb. .055 • —
tanks, works lb. .04 • —
Dichlorophenol, dms., c.l., frt. equald lb. .27 • —
l.c.l., frt. equald lb. .28 • —
Dicyclohexylamine, dms., c.l., works lb. .40¼ • —
l.c.l., works lb. .41 • —
tanks, works lb. .39 • —
Dicyclohexylphthalate, lib. dms., c.l., works lb. .40½ • —
l.c.l., same basis lb. .41½ • —
Diethanolamine dms., c.l., E lb. .26½ • —
l.c.l., same basis lb. .27½ • —
tanks, same basis lb. .25 • —
Diethyl carbonate dms, c.l., frt. alld. lb. .36¾ • —
l.c.l., same basis lb. .37¾ • —
tanks, same basis lb. .35 • —
Maleate, dms., c.l., dlvd lb. .45 • —
l.c.l., dlvd. lb. .49 • .52½
tanks, dlvd. lb. .43½ • —
Oxalate, dms., c.l., frt. alld. lb. .34¾ • —
l.c.l., same basis lb. .35¾ • —
tanks, same basis lb. .33 • —
Phthalate, dms., c.l., dlvd. lb. .25½ • —
l.c.l., dlvd. lb. .26½ • —
tanks, dlvd. lb. .24 • —
Sulphate, dms., c.l., works lb. .16 • —
l.c.l., works lb. .16½ • —
tanks, works lb. .14½ • —
Diethylamine, dms., c.l., frt. alld. E lb. .37 • —
l.c.l., same basis lb. .38 • —
tanks, same basis lb. .35¼ • —
Diethylanilin, dms lb. .48 • —
Diethyleneglycol, dms., c.l., frt alld. E lb. .17½ • .18¾
l.c.l., same basis lb. .18½ • .19¾
tanks, same basis lb. .16 • .17
Boriborate, dms., l.c.l lb. .28 • —
Diethylether, dms., c.l., works lb. .46½ • —
l.c.l., works lb. .47 • —
Monobutylether, dms., c.l., works. lb. .24½ • —
l.c.l., works lb. .25 • —
tanks, works lb. .23 • —
Monobutylether acetate, dms., c.l., works lb. .26 • —
l.c.l., works lb. .26½ • —
Monoethylether, dms., c.l., works. lb. .18 • —
l.c.l., works lb. .18½ • —
tanks, works lb. .16½ • —
Monoethylether, acetate, dms., c.l., works lb. .24 • —
l.c.l., works lb. .24½ • —
Monomethylether, dms., c.l., works lb. .22 • —
l.c.l., works lb. .22½ • —
tanks, works lb. .20½ • —
Diethylenetriamine, dms., c.l., works. lb. .42 • —
l.c.l., works lb. .42½ • —
tanks, works lb. .40 • —
Diethylethanolamine, dms., c.l., works, frt. alld lb. .61½ • —
l.c.l., same basis lb. .62½ • —
tanks, same basis lb. .59¾ • —
Diethylstilbestrol, USP, bots kilo. 240.00 • 320.00
Digitalin, cryst., bots gram. 12.50 • 18.00
powd., bots oz. 25.00 • 30.00
Digitalis leaves, dms lb. .85 • 1.25
Digitoxin, USP, bots gram. 7.50 • 8.00
Digiycol, laurate, dms lb. .30 • .32
Oleate, dms lb. .25 • .27
Stearate, dms lb. .25 • .26
Dihexyl sebacate, dms., c.l., works, lb. .42½ • —
l.c.l., works lb. .43 • —
tanks, works lb. .41 • —
Dihydrostreptomycin hydrochloride and sulphate, hospitals, vials gram. .60 • —
wholesalers, vials gram. .48 • —
Dihydroxydichlorodiphenylmethane, dms lb. .95 • 1.00
smaller containers lb. 1.05 • 1.40
Di-isobutyl ketone, dms., c.l., dlvd. lb. .14¼ • —
l.c.l., dlvd. lb. .15¼ • —
tanks, dlvd. lb. .12½ • —



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Penetrants	Solubilizers

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1639 POPLAR STREET, OAKLAND 7, CALIFORNIA

In Canada: CHEMICAL DEVELOPMENTS OF CANADA LIMITED, LEASIDE, TORONTO 17

Di-isobutylene, dms., c.l., works	lb.	.08¼	-	—
l.c.l., works	lb.	.09	-	—
tanks, works	lb.	.05½	-	.06¼
Di-isooctyl phthalate, dms. c.l., dlvd.	lb.	.37½	-	.39½
l.c.l., same basis	lb.	.38½	-	.40½
tanks, same basis	lb.	.36	-	.38
Di-isopropylamine, dms., c.l., frt. alld	lb.	.45¼	-	—
l.c.l., same basis	lb.	.46¼	-	—
tanks, same basis	lb.	.43½	-	—
Diliseed, natural, bgs	lb.	.10½	-	.11
dewhiskered, bgs	lb.	.13	-	.13½
Dimethyl chloroacetal, dms., c.l., works	lb.	.53	-	—
l.c.l., works	lb.	.55	-	—
tanks, works	lb.	.51	-	—
Phthalate, dms., c.l., dlvd	lb.	.24½	-	—
l.c.l., dlvd.	lb.	.25½	-	—
tanks, dlvd.	lb.	.23	-	—
Sebacate, dms., c.l., works	lb.	.69½	-	—
l.c.l., works	lb.	.70	-	—
tanks, works	lb.	.68	-	—
Sulphate, 55-gal ret. dms., c.l., works	lb.	.15	-	—
l.c.l., works	lb.	.16	-	—
10-gal. ret dms., works	lb.	.16½		—
Dimethylamine, 25%-40% dms., c.l., works, basis 100%	lb.	.37		.38
l.c.l., works, basis 100%	lb.	.37½	-	.38½
tanks, works, basis 100%	lb.	.34		—
Dimethylanilin, dms., c.l., frt. alld.	lb.	.24	-	—
l.c.l., frt. alld	lb.	.25	-	—
tanks, frt. alld	lb.	.23	-	—
Dimethylethanolamine, dms., c.l., dlvd	lb.	1.43	-	—
l.c.l., dlvd	lb	1.45	-	—
tanks, dlvd	lb	1.40	-	—
Dinitroanilin, dms., frt. equald	lb.	.54	-	.57
Dinitrobenzene, crude, dms	lb.	.18	-	—
purified, dms	lb.	.19½	-	—
Dinitrochlorobenzene, dms., c.l., frt. alld. E	lb.	.16¼	-	—
l.c.l., frt. alld. E	lb.	.17¼	-	—
tanks, frt. alld. E	lb.	.15¼	-	—
Dinitrophenol, bbls	lb.	.31	-	—
Dinitrotoluene, oily, dms	lb.	.09½	-	—
refd., dms.	lb.	.19	-	—
Dinonylnaphthalene c.l., dms., work	lb.	.13	-	—
l.c.l., dms., works	lb	.14	-	—
tanks, works	lb	.12	-	—
Dioctyl adipate, dms., c.l., works, frt. alld.	lb.	.42	-	.43¼
l.c.l., same basis	lb.	.43	-	.44¼
tanks, same basis	lb.	.40½	-	.41½
Phthalate, dms., c.l., frt. alld	lb.	.37½	-	.39¾
l.c.l., frt. alld	lb.	.38½	-	.40¾
tanks, frt. alld	lb.	.36	-	.38
Diorthotolyiguanidin, dms. ton lots, dlvd	lb.	.48	-	—
smaller lots, dlvd	lb.	.50	-	—
Dioxan, dms., c.l., frt. alld	lb.	.25	-	—
l.c.l., same basis	lb.	.25½	-	—
tanks, same basis	lb.	.23½	-	—
Dip oil (see tar acid oil).				
Dipentaerythritol bgs. l.c.l. works	lb.	.34	-	—
Dipentene, dest.-dist. dms. incl. c.l., works, South	gal.	.35	-	—
l.c.l., same basis	gal.	.36	-	—
N. Y. whse.	gal.	.46	-	—
tanks, works, South	gal.	.20	-	—
steam-dist. dms. c.l., works, south	gal.	.35	-	—
l.c.l., works, South	gal.	.46	-	—
dlvd. N. Y.	gal.	.52	-	—
Diphenyl, bbls., c.l., works	lb.	.15	-	—
l.c.l., works	lb.	.16	-	.20
Oxide, perfume grade, cns., dms.	lb.	.43	-	.62
Phthalate, dms., c.l., works	lb.	.45	-	—
l.c.l., same basis	lb.	.47	-	—
Diphenylamine, bbls	lb.	.27	-	—
Diphenylguanidin, dms., ton lots	lb.	.39	-	—
smaller lots	lb.	.40	-	—
Diphenylhydantoin-sodium USP, dms.	lb.	3.25	-	3.50
Dipropyleneglycol, dms. c.l., frt. alld	lb.	.14½	-	.15¾
l.c.l., same basis	lb.	.15½	-	.16¾
tanks, same basis	lb.	.13	-	.14
Dipropyleneglycol methylether, dms., c.l., frt. equald	lb.	.18	-	—
l.c.l. same basis	lb.	.18½	-	—
tanks, same basis	lb.	.16½	-	—
Ditertiarybutylmetacresol, dms., c.l., works	lb.	.32	-	—
l.c.l., works	lb.	.33	-	—
tanks, works	lb.	.31	-	—
Ditertiarybutylparacresol, dms., c.l., works	lb.	.91	-	—
l.c.l., works	lb.	.95	-	—
Divi-divi, 43% tannin, bgs., bls., c.l., U. S. ports, ex dock	ton	68.00	-	—
Divinylbenzene, 18%, dms., c.l., works	lb.	.25	-	—
l.c.l., works	lb.	.26	-	—
tanks, works	lb.	.24	-	—
40%, dms., c.l., works	lb.	.55	-	—
l.c.l., works	lb.	.60	-	.65
Dodecyltoluene, dms., c.l., works	lb.	.14	-	—
l.c.l., works	lb.	.15	-	—
tanks, works	lb.	.13	-	—
Doggrass root, dom., cut, bls	lb.	.20	-	.24
imp., NF, cut, bls	lb.	.25	-	.30
Dogwood bark, Jamaica	lb.	.10	-	.14
Dragon's blood, drops, cs	lb.	.45	-	.47
mass, cs.	lb.	.90	-	1.00
reeds, cs	lb.	1.75	-	2.00

Dyes, coaltar, certified colors for food, drugs and cosmetics, 5-lb. and 1-lb. lots, dlvd.:—

Blue, FD&C, No. 1, cns.	lb.	17.00	-	17.60
No. 2, cns.	lb.	17.00	-	17.60
Green, FD&C, No. 1, cns.	lb.	17.00	-	17.60
No. 2, cns.	lb.	22.20	-	22.85
No. 3, cns.	lb.	35.25	-	35.90
Orange, FD&C, No. 1, cns.	lb	3.65		3.75
No. 2, cns.	lb	4.55		4.75
Red, FD&C, No. 1, cns.	lb	7.55		7.85
No. 2, cns.	lb	4.00		4.10
No. 3, cns.	lb.	22.20		22.85
No. 4, cns.	lb	7.20		7.50
No. 32, cns.	lb	5.30		5.40
Violet, FD&C, No. 1, cns	lb.	16.10	-	—
Yellow, FD&C, No. 1, cns.	lb.	10.50		11.05
No. 3, cns.	lb	3.30		3.40
No. 4, cns.	lb	3.30		3.40
No. 5, cns.	lb	4.00		4.10
No 6, cns.	lb.	4.00		4.10

Dyes, coaltar, certified colors for drugs and cosmetics, 1-lb. lots, works, 25-50 lb. lots, dlvd:—

Black, D&C, No 1, cns.	lb.	10.95	-	—
Blue, D&C, No. 4, cns.	lb.	13.55	-	—
Brown, D&C, No. 1, cns.	lb.	16.10	-	—
Green, D&C, No. 5, cns.	lb.	16.10	-	—
No 6, cns.	lb.	16.10	-	—
No 7, cns.	lb.	14.60	-	—
Orange, D&C, No. 3, cns.	lb.	10.95	-	—
No. 4, cns.	lb.	20.05	-	—
No. 5, cns.	lb	5.70	-	—
No. 10, cns.	lb.	20.70	-	—
Red, D&C, No. 8, cns.	lb	3.75	-	—
No. 9, cns.	lb	3.75	-	—
No 10, cns.	lb	3.00	-	—
No. 11, cns.	lb	2.25	-	—
No. 12, cns.	lb.	3.00	-	—
No 17, cns.	lb.	10.95	-	—
No 18, cns.	lb.	24.00	-	—
No 19, cns.	lb.	20.05	-	—
No 21, cns.	lb	4.70	-	—
No. 22, cns.	lb.	10.95	-	—
No 28, cns.	lb.	24.65	-	—
No. 33, cns	lb.	17 45	-	—
Violet, D&C, No. 2, cns	lb.	16.10	-	—

Dyes, coaltar, certified colors for drugs and cosmetics, 1-lb. lots, works, 25-50 lb. lots, dlvd:—

Yellow, D&C, No. 7, cns.	lb.	10.95	-	—
No. 8, cns.	lb.	10.95	-	—
No. 10, cns.	lb.	13.50	-	—
No. 11, cns.	lb.	13.50	-	—
No. 22, cns.	lb	9.15	-	—
No. 33, cns.	lb.	14.65	-	—
No. 37, cns.	lb.	13.55	-	—

Dyes, coaltar, certified colors for drugs and cosmetics, external use, 1-lb. lots, works, 25-50 lb. lots, dlvd:—

Blue, Ext. D&C, No. 1, cns	lb.	16.10	-	—
Green, Ext. D&C, No. 1, cns.	lb.	16.10	-	—
Red, Ext. D&C, No. 1, cns.	lb.	13.50	-	—
Yellow, Ext. D&C No. 1 cns.	lb.	10.95	-	—

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype).

20 Chrysodine G.	lb.	.59	-	—
27 Orange G.	lb.	.71	-	—
31 Amido naphthol red G.	lb.	.59		—
36 Alizarine yellow 2G	lb.	.76	-	—
40 Alizarine yellow R	lb.	.97	-	—
57 Amido naphthol red 6B	lb.	.90	-	—
79 Ponceau R.	lb	.68	-	—
151 Orange II.	lb	.44	-	—
165 Red lake C.	lb	1.05	-	—
179 Azo rubine	lb	.95	-	—
176 Red lake A	lb	.80	-	—
180 Diamond blue 3B	lb	.84	-	—
185 Cochineal red A	lb	.85	-	—
202 Chrome blue black R	lb.	.62	-	—
203 Chrome black T	lb	.72	-	—
206 Sulphon acid blue R	lb	.83	-	—
216 Acid alizarin red B	lb	.77	-	—
234 Resorcin brown	lb	.82	-	—
246 Naphthol blue black	lb	.78	-	—
278 Benzo fast red SBL	lb	2.74	-	—
289 Sulphon cyanine 5R extra	lb	1.00	-	—
299 Diamond black F	lb	1.78	-	—
304 Nerol 2B	lb	1.84	-	—

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype)—

326 Benzo fast orange S	lb.	1.45	-	—
332 Bismarck brown R	lb.	.78	-	—
365 Chrysophenine	lb	2.14	-	—
382 Diamine black BH	lb	1.51	-	—
401 Diamine black BH	lb.	.58	-	—
406 Benzo blue 2B conc.	lb	.99	-	—
419 Diamine fast red F	lb	1.05	-	—
420 Diamine brown M	lb	.82	-	—
448 Benzo purpurine 4B	lb	1.08	-	—
518 Diamine sky blue FF	lb	1.48	-	—
561 Trisulphon brown B	lb	1.78	-	—
581 Direct deep black EW extra.	lb	.81	-	—
593 Diamine green B	lb	.60	-	—
598 Congo brown G	lb	1.20	-	—
620 Sun yellow	lb	.84	-	—
639 Xylene light yellow	lb	1.77	-	—
640 Tartrazine	lb	1.34	-	—
655 Auramine	lb	1.69	-	—
657 Malachite green	lb	1.93	-	—
662 Brilliant green	lb	2.55	-	—
667 Brilliant milling green B	lb	3.27	-	—
671 Glaucine	lb	1.54	-	—
680 Methyl violet B	lb	.95	-	—
681 Crystal violet	lb	1.91	-	—
698 Formyl violet S4B	lb	1.51	-	—
720 Chrome azurol B	lb	3.60	-	—
729 Victoria blue B	lb	2.48	-	2.68
737 Wool green S	lb	2.14	-	—
749 Rhodamine B	lb	3.85	-	—
814 Chloramine yellow	lb	2.76	-	—
841 Safranine	lb	2.58	-	—
865 Nigrosine WSJ 78	lb.	.60	-	—
922 Methylene blue GXX	lb	1.28	-	—
969 Hydron blue R	lb	.72	-	—
978 Sulphur black T extra	lb	.28½	-	—
1027 Alizarin VI	lb	.64	-	—
1034 Alizarin red S	lb	2.30	-	—
1054 Alizarin saphiro B	lb	2.59	-	—

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype):

1078 Alizarin cyanine green	lb	2.61	-	—
1085 Alizarin blue black B	lb	2.13	-	—
1096 Indanthrene golden orange G, single paste	lb	1.98	-	—
double paste	lb	3.92	-	—
1099 Indanthrene dark blue BO, single paste	lb.	1.72	-	—
1101 Caledon jade green	lb.	2.32	-	—
1106 Indanthrene blue RS, double paste	lb.	2.52	-	—
1113 Indanthrene blue GCD, double paste	lb.	1.72	-	—
1150 Indanthrene olive R, single paste	lb.	1.08	-	—
1151 Indanthrene brown R, single paste	lb.	1.63	-	—
double paste	lb.	3.29	-	—
1212 Indanthrene red violet RH, single paste	lb.	1.54	-	—
1217 Helindon orange R, single paste	lb	1.57	-	—
p-4 Acid anthracine brown P G.	lb	2.48	-	—
p-14 Anthracene chromate brown EB	lb	1.25	-	—
p-24 Benzo fast black L	lb.	1.94	-	—
p-80 Diazo brilliant scarlet ROA.	lb.	2.55	-	—
p-202 Zambesi black V	lb.	.97	-	—
p-244 Celliton scarlet B	lb.	1.25	-	—
p-313 Naphthol AS-SW	lb	2.74	-	—

Dyes, coaltar, for stains, oil-soluble, 100-lb dms. sellers' works.

Black, blue, No 550	lb.	.72	-	—
Jet, No. 551	lb.	.79	-	—
Brown, R. conc	lb	1.44	-	—
Orange R, brilliant	lb	.80	-	—
Red 4 B, conc	lb	1.22	-	—
Yellow, C	lb	1.05	-	—
FN, conc	lb	1.08	-	—

THE NAME TO WATCH IN CHEMICALS

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Dyes, Coaltar, for Stains, Spirit-Soluble—Furfural

Dyes, coaltar, for stains, spirit-soluble, 100-lb dms., sellers' works.

Auramine, O	lb.	1.69	—
Black, basic, blue	lb.	1.08	—
Jet	lb.	1.08	—
Blue, methylene, 2 R, conc	lb.	1.42	—
Brown, Bismarck, R conc	lb	78	—
Chrysodine, R, extra	lb	.55	—
Y extra	lb	.59	—
Fuchsine, conc	lb	2.82	—
Green, malachite, conc	lb.	1.93	—
Rhodamine, B	lb	3.97	—
Safranine, Y conc	lb.	2.66	—
Violet, methyl, B	lb.	1.01	—

Dyes, coaltar, for stains, water-soluble, 100-lb dms. sellers' works

Black, acid blue B extra	lb.	76	—
Orange, acid, Y, conc	lb.	.42	—
Rhodamine, azo R, extra, conc.			
Rhodamine, R, extra, conc	lb	3.97	—
Scarlet, croceine, MOO	lb.	1.33	—
Yellow, azo-, conc	lb.	.82	—
Fast light, 3 G, extra	lb.	1.80	—
Methanil, conc	lb.	.83	—

Oil-soluble, spirit-soluble, water-soluble dyes in kegs, 3c. higher; tins, 10c. higher.

E

Echinacea root, bls	lb.	.45	.55
Egg albumen (see Albumen).			
Yolk, dried, dom., bbls	lb.	1.20	1.22
Chinese, spot, bbls, duty paid	lb.	.83	.85
tanners, bbls	lb.	.06½	.07
Elder flowers, bright, bls	lb.	.40	.50
Elecampane root, bls	lb.	.22	.23
Elm bark, grinding, bls	lb.	.30	.33
powd., bbls., bxs	lb.	.40	.45
select, bndls	lb.	.55	.60
Emetine hydrochloride, USP, bots	oz.	37.50	40.00
Ephedra herb, bls	lb.	.30	.32
Ephedrine, synthetic, USP, anhydrous, bots., 100 ozs	oz.	.98	—
anydrous, bots., 100 ozs	oz.	.92	—
Hydrochloride, tin, 100 ozs	oz.	.75	—
Sulphate, cryst., tins, 100 ozs.	oz.	.72	—
powd., tins, 100 ozs	oz.	.73	—
Epichlorohydrin, dms., c.l., works	lb.	.36¾	—
l.c.l., works	lb.	.37½	—
tanks, works	lb.	.35	—
Epinephrine, synth., USP, bots., 100 grams	gram	.45	—
Epsom salt, tech., bgs., c.l., works, 100 lbs.		2.15	—
l.c.l., works, 100 lbs.		2.90	3.15
USP, cryst., bgs., c.l., works, 100 lbs.		2.35	—
l.c.l., 5,000 lbs., 1 withdrawal, 100 lbs.		3.10	—
smaller lots, 100 lbs.		3.35	—
Ergot, NF, dms., tin-lined	lb.	3.75	4.50
Eserine, bots.	oz.	45.00	50.00
Salicylate, USP, bots	oz.	33.00	34.00
Sulphate, bots	oz.	36.00	37.00
Ether, acetate (see Ethyl acetate).			
Butyl, dms., c.l., works	lb.	.32½	—
l.c.l., works	lb.	.33	—
tanks, works	lb.	.31	—
Butyric (see Ethyl butyrate).			
Dichloroethyl, purif., dms., works	lb.	16½	—
l.c.l., same basis	lb.	.17	—
tanks, same basis	lb.	.15	—
Divinyl, USP, anesthesia, bots., 50 cc, hospitals	bot.	1.00	—
75 cc, hospitals	bot.	1.58	—
NF, dms., dlvd	lb.	.25	—
Ether, ethyl, absolute, ACS, dms	lb.	.30	—
anesthesia, USP, hospital, cns.	lb.	.75	.90
industrial, USP, dms., c.l., dlvd.	lb.	.12	—
l.c.l., same basis	lb.	.14	—
tanks, same basis	lb.	.10	—
synthetic, dms., incl., dlvd. East.	lb.	.12	—
l.c.l., same basis	lb.	.14	—
tanks, same basis	lb.	.10	—
Isopropyl, dms., c.l., dlvd	lb.	.06¼	—
l.c.l., dlvd.	lb.	.07	—
tanks, dlvd.	lb.	.04½	—
Nitrous, conc., bots., 100 lbs	lb.	1.03	1.10
Ethyl acetate, natural, fermentation, 85-88% dms., c.l., frt. alld.	lb.	.11¾	.18¾
l.c.l., frt. alld	lb.	.12¾	.19¾
tanks, frt. alld	lb.	.10	.17
95-98%, dms., c.l., frt. alld.	lb.	.12	.19
l.c.l., frt. alld	lb.	.13	.20
tanks, frt. alld	lb.	.10¼	.17¼
99%, dms., c.l., frt. alld	lb.	.12¼	.19¼
l.c.l., frt. alld	lb.	.13¼	.20¼
tanks, frt. alld	lb.	.10½	.17½
NF, dms., frt. alld	lb.	.25	—
synthetic, 85-90%, dms., c.l., frt. alld	lb.	.11¾	—
l.c.l., frt. alld	lb.	.12¾	—
tanks, frt. alld	lb.	.10	—
95-98%, c.l., frt. alld	lb.	.12	—
l.c.l., frt. alld	lb.	.13	—
tanks, frt. alld	lb.	.10¼	—
99%, dms., c.l., frt. alld	lb.	.12¼	—
l.c.l., frt. alld	lb.	.13¼	—
tanks, frt. alld	lb.	.10½	—
Acetoacetate, dms., c.l., dlvd	lb.	.47½	—
l.c.l., dlvd.	lb.	.48½	—
tanks, dlvd.	lb.	.46	—
Acrylate, dms., c.l., and truckload, works	lb.	.49	—
less than truckload, works	lb.	.49½	—
tanks, works	lb.	.48	—
Ethyl benzoate, dms.	lb.	.70	.75
Betaethoxypropionate, dms., works	lb.	70	—
Bromide, tech., 98%, dms.	lb	39	.41
Butyrate, bots.	gal.	5.10	6.00
cns., works	lb.	.68	.87
dms., works	lb	60	—
Carbamate (see Urethane).			
Chloride, tech., dms., c.l., frt. alld. E.	lb.	.16	.18
l.c.l., same basis	lb.	.18	.20
tanks, same basis	lb.	.13½	—
USP, bbls., cyl	lb.	.20	.22
Cinnamate, cns.	lb.	2.25	2.50
Formate, dms	lb.	.55	.65
Iodide, bots., works	lb.	3.88	4.27
Lactate, dms., works	lb.	.42¼	—
Methacrylate, dms., c.l. and truckload, works	lb.	.50½	.60
less than truckload, works	lb.	.50½	.60
Nitrite (see Ether, nitrous)			
Oenanthate, dms	lb.	.95	1.50
Oleate, dms., c.l., works	lb.	.53	—
Oxalate (see Diethyl oxalate).			
Silicate, dist. (see Tetraethyl-orthosilicate).			
40% available SiO_2, dms., works	lb.	.55	—
Ethylalphanaphthylamine (see Monoethylalphanaphthylamine).			
Ethylanilin, dms., frt. alld	lb.	.50	—
Ethylbenzene, dms., c.l	lb.	.14	—
l.c.l.	lb.	.15	—
tanks	lb.	.13	—
Ethylbutyl ketone, dms., c.l., works.	lb.	.31½	—
l.c.l., works	lb.	.32	—
tanks	lb.	.30	—
Ethylcellulose, 6b dms, 5,000 lbs.,	lb.	.54	—
smaller lots, works	lb.	.56	.64
Ethylene dichloride, dms., c.l., works, frt alld E. of Rockies	lb.	.09½	.10¾
l.c.l., works, frt. alld E. of Rockies	lb.	.10½	.11¾
tanks, frt. alld., E. Rockies	lb.	.08	.09
Prices West of Rockies, 1c. per lb. higher.			
Oxide, cyls., c.l., frt. alld	lb.	.23¾	—
l.c.l., frt. alld	lb.	.24¾	—
tanks, frt. alld	lb.	.16¾	.17¾
Trichloride (see Trichloroethane)			
Ethylenediamine, dms., c.l., works	lb.	.42	—
l.c.l., works	lb.	.42½	—
tanks, works	lb.	.40	—
Ethyleneglycol, dms., c.l., frt. alld. E.	lb.	.16	.17¼
l.c.l., same basis	lb.	.17	.18¼
tanks, same basis	lb.	.14½	.15½
Diethylether, dms., l.c.l., works	lb.	.55	—
Monobutylether, dms., c.l., works	lb.	.20	—
l.c.l., works	lb.	.20½	—
tanks, works	lb.	.18½	—
Monoethylether, dms., c.l., works.	lb.	.18	—
l.c.l., works	lb.	.18½	—
tanks, works	lb.	.16½	—
Monoethylether acetate, dms., c.l., works	lb.	.16	—
l.c.l., works	lb.	.16½	—
tanks, works	lb.	.14½	—
Monomethylether, dms., c.l., works.	lb.	.19½	—
l.c.l., works	lb.	.20	—
tanks, works	lb.	.18	—
Monomethylether acetate, dms., c.l., works	lb.	.24½	—
l.c.l., works	lb.	.25	—
tanks, works	lb.	.23	—
Monostearate, dms	lb.	.33	—
Ethylethanolamines, mixed, dms., c.l., frt. alld., E. Miss	lb.	.33¾	—
l.c.l., same basis	lb.	.34¾	—
tanks, same basis	lb.	.32	—
Ethylmorphine hydrochloride, USP, bots	oz.	11.85	—
Ethylorthotoluidine (see Monoethyl-orthotoluidine).			
Ethylvanillin, cns., 3 lbs or more	lb	6.75	—
smaller lots	lb	6.90	6.90
Eucalyptol, USP, cns., dms	lb	1.25	2.05
Eucalyptus leaves, bls	lb	10	.14
Eugenol, pure, USP, cns	lb.	2.50	3.25
Euphorbia, pil., herb., bls	lb.	.15	.18

F

Feldspar, enamel, 100 mesh, bgs., works	ton.	20.00	22.00
Glass, 20 mesh, bulk, tons, works	ton.	11.75	12.50
Pottery, bgs., ton lots, works	ton.	20.00	22.00
bulk, c.l., works	ton.	18.00	20.00
Fennel seed, Czech., dark, bgs	lb.	.11½	.12
French, bgs.	lb.	.12	.12½
Indian, bgs.	lb.	.12	.12½
Fenugreek, domestic, bgs	lb.	No stocks.	
Indian, bgs	lb.	.11	11½
Moroccan, bgs	lb.	.06½	.07
Syrian, bgs	lb.	.07	.07½
Ferric-ammonium citrate (see iron-ammonium citrate)			
Ferric cacodylate (see iron cacodylate).			
Ferric glycerophosphate (see iron-glycerophosphate).			
Ferric hypophosphite (see iron hypophosphite).			
Ferric sulphate (see iron sulphate, ferric).			
Film scrap, colored, cs., works	lb.	.11½	—
water-white, cs., works	lb.	.13½	—
Fir balsam, Canada, cns	gal.	31.50	32.50
Oregon, bbls.	gal.	2.35	2.60
Fishberries, bgs	lb.	.20	.25
Fishliver oil (see Oil, fishliver).			
Fishmeal, ground, 60% protein, bgs., Balto. area	ton.	133.00	—
Fishscrap, dried, 60% protein, bulk, Balto. area	ton.	127.50	—
Fleaseed (see Psyllium seed).			
Fringetree bark, bls	lb.	.42	.45
Fluorspar, acid grade, bgs., c.l., mines	ton.	47.50	—
l.c.l., mines	ton	49.50	—
bulk, contract, c.l., mines	ton.	42.00	—
noncontract, c.l., mines	ton.	45.00	—
l.c.l., mines	ton	47.00	—
ceramic grade, No. 1, ground, 90-92% CaF_2, bulk, c.l., mines net	ton.	39.00	41.00
powd., 90-92%	ton.	41.00	—
foundry grade, lump, 55-60%,	ton.	34.00	—
washed, gravel, 70% or more, CaF_2, bulk, c.l., mines	ton.	35.00	37.00
65%, bulk, c.l., mines	ton.	34.00	36.00
60%, bulk, c.l., mines	ton.	33.00	35.00
less than 60%, bulk, c.l., mines	ton.	32.00	34.00
Formaldehyde, USP, (uninhibited), dms., c.l., E. works	lb	.0570	—
l.c.l., E. works	lb.	.0620	—
tanks, E. works	lb.	.0370	—
methanol-free (uninhibited), tanks, works	lb.	.0350	—

Tankcar and tankwagon prices above are on a delivered basis in New England, Eastern New York, N. J., Eastern Penna., and part of Delaware. In states other than Eastern Seaboard, as well as W. of Rockies, prices f.o.b. Texas plants, are .022 for inhibited and .020 for uninhibited.

Fuller's earth, dom., powd., bgs., c.l., Fla., Ga., mines	ton.	30.00	—
Tex., mines	ton.	27.00	—
spent, bulk, Bayonne	ton	2.00	4.00
imported, bgs., c.l.	ton.	30.00	40.00
Furfural, tech., dms., c.l., works	lb.	13	—
l.c.l., works	lb.	14	—
tanks, works	lb.	.09½	—

How Hooker Phosgenation Service Can Cut Your Production Costs

If you use 10,000 lbs. or more of a phosgene derivative per month, Hooker can show you most interesting savings. In this volume the savings from the elimination of packaging and transporting of the small, special phosgene containers begin to mount up rapidly.

By arranging with Hooker for your phosgenation reactions you save further by eliminating the necessity of special apparatus and personnel especially trained for this work. Hooker facilities are more than adequate for your production requirements and our long experience with custom work such as hydrogenation enable us to meet your production schedules with unfailing regularity.

Listed at the right are six typical phosgenation reactions. These are selected from a much larger number of reactions to indicate the range of work with which we are familiar.

Typical Phosgenations:

1. Alcohols to Alkyl Chlorocarbonates

$$ROH + COCl_2 \longrightarrow ROCCl + HCl$$

2. Alcohols to Dialkyl Carbonates

$$2ROH + COCl_2 \longrightarrow ROCOR + 2HCl$$

3. Amines to substituted Carbonyl Chlorides

$$RNH_2 + COCl_2 \longrightarrow RNHCCl + HCl$$

4. Amides to Carbonyl Diamides

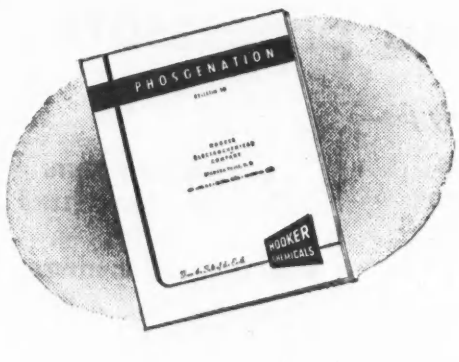
$$2RCONH_2 + COCl_2 \longrightarrow RCON\text{-}C\text{-}NOCR + 2HCl$$

5. Aromatic Hydrocarbons to Ketones

$$R + COCl_2 \longrightarrow RCR + HCl$$

6. Phenols to Chlorocarbonates or Carbonates

$$ROH + COCl_2 \longrightarrow ROCCl + ROH \longrightarrow ROCOR$$



Hooker Bulletin #10, "Phosgenation" describes Hooker services in detail and lists a substantial number of typical reactions. If you are now using phosgene or are interested in compounds made through its use, we suggest that you will find this booklet helpful. Write for your copy.

From the Salt of the Earth

HOOKER ELECTROCHEMICAL COMPANY

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SODIUM SULFIDE • SODIUM SULFHYDRATE • SODIUM BENZOATE • CAUSTIC SODA • MURIATIC ACID • PARADICHLOROBENZENE • CHLORINE

Fusel oil, refined, dms., c.l., dlvd	lb.	.23¾-	—
l.c.l., dlvd	lb.	.24¾-	—
tanks, dlvd	lb.	.22 -	—
Fustic extract, cryst., No. 2, bbls., l.c.l	lb.	.42½-	—
No. 1A, bbls., l.c.l	lb.	.41½-	—
No. 2, bbls., l.c.l	lb.	.40½-	—
No. 3, bbls., l.c.l	lb.	.38½-	—
liquid, No. 0, bbls., l.c.l	lb.	.22 -	—
No. 1, bbls., l.c.l	lb.	.20½-	—
No. 2, bbls., l.c.l	lb.	.19½-	—
No. 3, bbls., l.c.l	lb	17 -	—
solid, No. 1, bxs., l.c.l	lb.	.28 -	.40

G

G salt, bbls, frt. alld	lb.	.66 -	—
Galangal root, bls	lb.	.25 -	.30
Gambier, plantation, bgs., ex dock	lb.	No stocks.	
Extract, bbls		No stocks.	
Gammapicoline, 95%, dms., c.l., works	lb.	1.00	1.05
Gasoline, at refinery, ex tax, Arkansas, 80 octane tanks	gal.	.105 -	—
Bayonne, 83 octane, tanks	gal.	.116 -	—
Gulf coast, 82 octane, tanks	gal.	.105 -	.11
Group 3, 82 octane, tanks	gal.	.10125-	.10375
Pennsylvania, western, U. S. motor, 83 octane, tanks	gal.	.1275-	—
natural, 26-70 octane group 3, tanks	gal.	.05125-	—
Gelatin, silver label imported, cs	lb	1.15	—
Geisemium root, bls	lb.	.25 -	.30
Gentian root, bls	lb	13 -	.17
grd., bbls., bxs	lb	17 -	.18
powd., bbls., bxs	lb	18	21
Geraniol, extra, cns., dms	lb	2.60	3.00
prime	lb	2.20	2.40
Geranyl acetate, cns	lb.	2.60 -	3.00
Ginger, oleoresin, NF, from African root, bots	lb.	7.75 -	9.50
from Jamaican root	lb.	10.50 -	14.00
Root, African, bls	lb.	.48 -	.50
May-June shipment, bgs	lb.	.38 -	.39
Cochin, bleached, bgs., futures,	lb.	No stocks.	
unbleached, bgs	lb.	.52 -	.52½
Jamaica, No. 1, bgs	lb.	.63 -	.64
No. 2, bgs	lb.	.61 -	.62
No. 3, bgs	lb.	.57	Nom.
Rhattoon, bgs	lb.	.50	Nom.
Nigerian, split, bgs	lb.	.34 -	.35
Ginseng root cs	lb.	12.00 -	16.00
Glauber's salt, anhyd (see Sodium sulphate)			
cryst., bgs., c.l., works 100 lbs.		1.60 -	—
l.c.l., bgs., works 100 lbs.		1.75 -	2.00
Glue, bone, calcium type 24 millipoise, 40 jellygrams, bgs., c.l., East of Midwest	lb.	.19½-	—
65 jellygrams, bgs., c.l., same basis	lb.	.21 -	—
80 jellygrams, bgs., c.l., same basis	lb.	.22 -	—
110 jellygrams, bgs., c.l., same basis	lb.	.23 -	—
130 jellygrams, bgs., c.l., same basis	lb.	.24 -	—
Over 150 jellygrams, bgs., c.l., same basis	lb.	.25 -	—
Bone glue, l.c.l., 1c. per lb. higher than c.l.			
ground, 65 jellygrams, bgs., c.l. (50,000 lbs.), dlvd	lb.	.21½-	—
l.c.l., same basis	lb.	.22½-	—
Hide, 100-121 (jellygrams), bgs., c.l., dlvd	lb.	.24 -	.27
122-149, bgs., c.l., dlvd	lb.	.25 -	.28
150-177, bgs., c.l., dlvd	lb.	.26 -	.29
178-206, bgs., c.l., dlvd	lb.	.27 -	.31
207-236, bgs., c.l., dlvd	lb.	.28 -	.32
237-266, bgs., c.l., dlvd	lb.	.29 -	.33
267-296, bgs., c.l., dlvd	lb.	.30 -	.34
299-330, bgs., c.l., dlvd	lb.	.31 -	.35
331-362, bgs., c.l., dlvd	lb.	.32 -	.35
363-394, bgs., c.l., dlvd	lb.	.33 -	.36
395-427, bgs., c.l., dlvd	lb.	.34 -	.37
428-460, bgs., c.l., dlvd	lb.	.35 -	.38½
461-494, bgs., c.l., dlvd	lb.	.36 -	.40
495-529, bgs., c.l., dlvd	lb.	.37 -	.41
Hide glue, l.c.l., prices 1c. higher than c.l., bbls. ½c. more than bgs.			
Glycerin, crude saponification 88% to refiners, tanks, dlvd	lb.	No prices.	
soaplye, 80%, tanks, dlvd	lb.	No prices.	
dynamite, dms., c.l., dlvd	lb.	.29 -	—
l.c.l., dlvd	lb.	.29½-	—
tanks, dlvd	lb.	.28½-	—
high gravity, dms., c.l., dlvd	lb.	.29¼-	—
l.c.l., dlvd	lb.	.29¾-	—
tanks, dlvd	lb.	.28¾-	—
refined, BP, 98%, dms., c.l., dlvd.	lb.	.30½-	—
l.c.l., dlvd	lb.	.31 -	—
tanks, dlvd	lb.	.30 -	—
USP c.p. 95% dms., c.l. dlvd.	lb.	.29¾-	—
l.c.l., dlvd	lb.	.30¼-	—
tanks, dlvd	lb.	.29¼-	—
yellow, distilled, dms., c.l., dlvd.	lb.	.29⅛-	—
l.c.l., dlvd	lb.	.30⅛-	—
tanks, dlvd	lb.	.28⅛-	—
Glycine USP (see Acid aminoacetic)			
Glyoxal, 30%, dms., c.l., works	lb.	.18½-	—
l.c.l., works	lb.	.19 -	—
tanks, works	lb.	.18 -	—
Gold chloride, acid-brown, bots.	oz.	22.50 -	23.00
acid-yellow, bots	oz.	20.50 -	—
Gold of pleasure seed, bgs	lb	40	41
Goldenseal root, bls	lb	3.25 -	3.50
powd., bxs	lb.	3.75 -	4.00
Gold-sodium chloride, photo, bots.	oz.	13.00 -	14.00
USP IX, bots	oz.	14.50 -	15.50
Grains of paradise, bgs	lb.	.44 -	.45
Graphite, imported, amorph, powd., bgs., dlvd	lb.	No prices.	
crystalline, 88-90%, powd., bgs., ex whse	lb.	No prices.	
90-92%, powd., bgs., ex whse,	lb.	No prices.	
97%, powd., bgs., ex whse	lb.	No prices.	
flake, No. 1 90-95%, ngs., ctns., ex whse	lb.	No prices.	
No. 2, whse	lb	No prices.	
Grease, house, loose, dlvd	lb.	.06 -	—
White, choice, loose	lb.	.08 -	—
Wool (see Degras and Lanolin).			
Yellow, loose	lb.	.06¼-	—
Green, brilliant, thioflavin, toner, molybdic, kgs., works	lb	4.25	4.50
Tungstic, kgs., works	lb	4.25	4.50
16-20% bbls. same basis	lb.	.38½-	—
Chrome, CP, dark, light, medium, blue content up to 5%, bbls., dlvd. N. of Tenn. and N.C. E. of Miss., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis	lb.	.32 -	—
6-10%, bbls., same basis	lb.	.33 -	—
11-15%, bbls., same basis	lb.	.34 -	—
16-20% bbls., same basis,	lb.	.34½-	—
21-25%, bbls., same basis	lb.	.35¼-	—
26-30%, bbls., same basis	lb.	.35¾-	—
31-35%, bbls., same basis	lb.	.36¾-	—
36-40%, bbls., same basis	lb.	.38½-	—
Green, chrome, CP, dark, light, medium, color content, 41-45%, bbls., same basis	lb.	.40 -	—
46-50%, bbls., same basis	lb.	.22¼-	—
50% and over, bbls., same basis	lb.	.42¾-	—
reduced color, 5%, bbls., same basis	lb.	.12½-	—
6-10%, bbls., same basis	lb.	.13¼-	—
11-13%, bbls., same basis	lb.	.13¾-	—
14-16%, bbls., same basis	lb.	.14½-	—
17-19% bbls., same basis	lb.	.14¾-	—
20-21%, bbls., same basis	lb.	.15 -	—
22-23%, bbls., same basis	lb.	.15¼-	—
24-25% bbls., same basis	lb.	.15¼-	—
26-27% bbls., same basis	lb.	.15¾-	—
28-29%, bbls. same basis	lb.	.16¼-	—
30-31%, bbls., same basis	lb.	.17¼-	—
32-33%, bbls., same basis	lb.	.18½-	—
34-35%, bbls., same basis	lb.	.19½-	—
36-40%, bbls. same basis	lb.	.41¾-	—
41-45%, bbls., same basis	lb.	.24½-	—
46-50%, bbls., same basis	lb.	.26 -	—
51-55%, bbls. same basis	lb.	.25¾-	—
56-60%, bbls., same basis	lb.	.26¼-	—
61-65% bbls., same basis	lb.	.27¼-	—
Green, chrome, reduced color, 66-70%, bbls., same basis	lb.	.28½-	—

Chrome green prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C. S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.); Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1c. higher dlvd Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.

Chromium oxide, hydrated, bbls., works	lb.	.75 -	1.00
pure ogs, frt alld	lb	.33 -	.40
Dyes (see Dyes, coaltar).			
Malachite thioflavin toner, molybdic, bbls., works	lb	3.00 -	—
Tungstic, bbls, works	lb	3.40 -	—
Paris (see P)			
Phthalocyanin toner, bbls., works,	lb	4.40	5.00
Tungstated, brilliant, kgs	lb.	3.00 -	4.00
Emerald kgs	lb	2.60	—
Grindella robusta herb, bls	lb.	.24 -	.30
Guaiac resin, NF, cs	lb.	.60 -	.65
ordinary, cs	lb.	.49 -	.51
Wood, bls	lb.	.33 -	.36
Guaiacol, cryst., tins	lb.	No prices.	
Liquid, NF, bots., cbys	lb.	1.90 -	1.95
Carbonate, dms	lb.	2.95 -	3.00
Guarana, powd., cs	lb.	1.50 -	1.75
Gum, accroides (see Gum, yacca).			
Aloe (see A.).			
Ammoniac, tears, cs	lb	.90 -	.95
Arabic, amber, sorts, bgs	lb.	.12 -	.13½
powdered, USP, bbls	lb.	.20½-	.21
Asafetida (see A).			
Asphaltum (see A).			
Benzoin, Sumatra, cs	lb.	.50 -	.70
Camphor (see C).			

Fusel Oil—Gum, Ester

Gum, copal, Congo, No. 1, bgs	lb.	.25 -	.26
No. 2, bgs	lb.	.20 -	.22
No. 3, bgs	lb.	.17½-	.19½
Manila (oba, B, bgs	lb.	No prices.	
C, bgs	lb.	.28 -	.30
CBB, bgs	lb.	.26 -	.27
CNF, bgs	lb.	No prices.	
DBB, bgs	lb.	.25 -	.26
DK, bgs	lb.	.18 -	.24
dust, bgs	lb.	.07½-	.09
soft, MA, bgs	lb.	.19 -	.21
WS, bgs	lb.	No prices.	
Philippine, pale, chips, bgs	lb.	.22 -	.24
nubs, bgs	lb.	.28 -	.30
seeds, bgs	lb.	.17 -	.21
sorts, bgs	lb.	.19 -	.21
Pontianak, chips, bgs	lb.	.16 -	.22
nubs, bgs	lb.	.26 -	.32
Dammar, Batavia, A/D, bgs	lb.	.28	.30
A/E, bgs	lb.	.23 -	.25
dust, bgs	lb.	.08 -	.10
E, bgs	lb.	.12½-	.14½
East India, batu, bold, bgs	lb.	.11 -	.13
nubs and chips, bgs	lb.	.07 -	.10
black, bold, bgs	lb.	.11¼-	.14
unscraped, bgs	lb.	.09½-	.12
nubs and chips, bgs	lb.	.08½-	.11
pale, chips, bgs	lb.	.14 -	.16
nubs, bgs	lb.	.23 -	.26
Singapore, No. 1, bgs	lb.	.34 -	.36
No. 2, bgs	lb.	.23 -	.25
No. 3, bgs	lb.	.09½-	.11
dust, bgs	lb.	.09½-	.11
seeds, bgs	lb.	.12½	13¼
Elemi, cns	lb.	.23 -	.24
Ester, gum-rosin type, dms., c.l., dlvd Ill. Ind. Ky., Mich., Mid-Atl States N & States, Minneapolis N C. Ohio, St Louis, St Paul, Va., W Va	lb.	.12 -	12¼
wood-rosin type, dms., c.l., dlvd, Ill., Ind., etc	lb.	.12 -	.12¼

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FErric Potassium Tartrate
FErric Pyrophosphate
FErric Subsulfate Powder

FErric Tartrate
FErrous Bromide
FErrous Carbonate
FErrous Chloride
FErrous Gluconate
FErrous Iodide
FErrous Lactate
FErrous Oxalate
FErrous Phosphate
FErrous Sulfate
FErrous Sulfide

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UNIFORM, DEPENDABLE PURITY

Gum, Euphorbium—Isophorone

Gum, euphorbium, cs. lb. .35 - .40
Galbanum, cs. lb. .75 - .80
Gamboge, pipe, cs. lb. 1.00 - 1.05
powd., bbls. lb. 1.15 - 1.20
Ghatti, No. 2, bgs. lb. .35 - .37
No. 3, bgs. lb. .31 - .33
Guaiac (see Guaiac resin).
Karaya, powd., No. 1. lb. .49 - .54
No. 2 lb. .45 - .46
No. 3 lb. .34 - .35
Kauri, bgs. lb. .31½ - .32¾
Locust bean, powd., bgs lb. .32 - .34
Mastic, cs. lb 2.25 - 2.50
Myrrh, cs. lb. .30 - .35
Olibanum, siftings, cs. lb. .12 - .13
tears, cs. lb. .16 - .20
Opium (see O).
Red (see Gum, yacca).
Rosin (see R).
Sandarac, cks. lb. 1.95 - 2.25
Scammony, cs. lb. 1.50 - 1.55
Sterculia (see Gum, karaya).
Talha, bgs lb. .10 - .11
Tragacanth, No. 1, cs. lb. 3.25 - 3.50
No. 2, cs. lb. 2.30 - 2.35
No. 3, cs. lb. 2.00 - 2.25
powdered, USP, bbls. lb. 1.50 - 1.55
Yacca, bgs. lb. .06 - —
Gypsum, Keane's cement, paper bgs., c.l., Acme, Tex., frt. equald ton.22.65 - —
Harlem river, N. Y., frt. equald ton.25.25 - —
Medicine Lodge, Kan., frt. equald ton.17.00 - —
New Brighton, N. Y., frt. equald ton.30.65 - —
Southard, Okla., frt. equald. ton.17.00 - —
Sweetwater, Tex., frt equald ton.21.45 - —
Gypsum, plaster of paris, Acme, Texas, frt. equald. ton.12.50 - —
Blue Rapids, Kans., frt. equald. ton.10.50 - —
Harlem river, N. Y., frt. equald ton.12.00 - —
Medicine Lodge, Kan., frt. equald ton.12.50 - —
New Brighton, N. Y., frt. equald ton.18.00 - —
Saltville, Va., frt. equald ton. 9.00 - —
Southard, Okla., frt. equald. ton.12.50 - —
Sweetwater, Tex., frt. equald ton.12.50 - —
Stucco, paper bgs., Akron, N. Y., frt equald ton. 8.00 - —
Blue Rapids, Kans., frt. equald ton. 8.00 - —
Clarence Center, N. Y., frt. equald ton. 8.00 - —
Fort Dodge, Iowa, frt. equald ton. 8.00 - —
Gypsum, Ohio, frt. equald. ton. 8.00 - —
Grand Rapids, Mich., frt. equald ton. 8.00 - —
Harlem river, N. Y., frt. equald ton. 8.00 - —
National City, Mich., frt. equald ton. 8.00 - —
New Brighton, N. Y., frt. equald ton. 8.00 - —
Plasterco, Ga., frt. equald ton. 8.00 - —
Portsmouth, N. H., frt. equald ton. 8.00 - —
Roton, Texas, frt. equald. ton. 8.00 - —
Gypsum, stucco, paper bgs., Saltville, Va., frt. equald ton. 9.00 - —
Southard, Okla., frt. equald. ton. 8.00 - —
Sweetwater, Texas, frt. equald ton. 8.00 - —
Terra alba, paper bags, c.l., Harlem River, N. Y. works ton.22.50 - —
New Brighton, N. Y., works ton.21.00 - —

H

Hawthorn berries, bgs lb. .39 - .45
Heliotropin, cryst., ens lb. 3.00 - 3.25
Hellebore root, dom., green bls lb. .55 - .60
imp., black, whole, bls. lb. .20 - .25
ground, bxs. lb. .25 - .30
powder, bxs. lb. .27 - .32
white, whole, bls. lb. .30 - .40
powder, bxs. lb. .35 - .45
Helonias root, bls. lb. 1.65 - 1.75
Hematine extract, cryst., No. 0, bbls., l.c.l lb. .45½ - —
No. 1, bbls., l.c.l. lb. .44½ - —
No. 1A, bbls., l.c.l. lb. .41½ - —
No. 2, bbls., l.c.l. lb. .40½ - —
No. 3, bbls., l.c.l. lb. .38½ - —
No. 4, bbls., l.c.l. lb. .36½ - —
No. 5, bbls., l.c.l. lb. .34½ - —
paste, No. 1, bbls., l.c.l. lb. .19 - —
No. 2, bbls., l.c.l lb. .18 - —
No. 3, bbls., l.c.l. lb. .17 - —
No. 4, (red) bbls., l.c.l. lb. .12½ - —
Hemlock bark extract, 25% tannin, bbls., c.l., works lb. No stocks.
tanks, works lb. No stocks.
Henbane leaves, bls. lb. .30 - .35
Henna leaves, bls lb. .23 - .25
powd., bbls., bgs lb. .27 - .29
Heptane, industrial, Bayonne, N. J., tanks, gal. .17 - —
group 3, tanks gal. .12½ - .13½
Hesperidin methylchalcone, works. lb.50.00 - —
Hexalin (see Cyclohexanol).
Hexamethylenetetramine, tech., bgs, c.l., Perth Amboy or N.Y.C. lb. .22 - —
l.c.l., same basis lb. .22½ - —
bbls., c.l., same basis lb. .24 - —
l.c.l., same basis lb. .24½ - —
USP, dms., 500 lbs. or more, same basis lb. .38½ - —
smaller lots, same basis lb. .39½ - —
Hexamine (see Hexamethylene tetramine).
Hexane, industrial, group 3, tanks, gal. .148 - —
Bayonne, N. J., tanks gal. .17 - —
Hexanol, normal, dms., c.l., works. lb. .31½ - —
l.c.l., works lb. .32 - —
tanks, works lb. .30 - —
Hexyleneglycol, dms., c.l., dlvd lb. .14¼ - —
l.c.l., dlvd. lb. .15 - —
tanks, dlvd lb. .12½ - —
Hexylmethacrylate, normal, dms., less than truckload, works. lb. .71 - —
Hexylresorcinol, USP, 50 lbs. up, frt. alld lb.17.00 - —
works lb.15.00 -17.00
smaller lots, frt. alld lb 18.00 - —
works lb.18.00 -20.00
Histamine diphosphate, USP, bots kilo.375.00 - —
Histidine hydrochloride—laevo, NF, 5lb dms., 50 kilo lots, works kilo.100.00 -120.00
1-5 kilos, works kilo.110.00 -130.00
Homatropine hydrobromide, USP, bots oz.15.00 -16.00
Hydrochloride, bots oz.20.00 -22.00
Methylbromide, NF oz 13.00 -16.25
Hoof meal, 17-18% ammonia, bulk, c.l., Chicago unit-ton. 7.50 - —
Hops, NF, bls lb 40 - 45
Horehound, herb, bls. lb. .17 - .18
Hydrangea root, bls. lb .14 - .17
Hydrastine, bots. oz.31.00 -37.00
Hydrochloride, NF oz.29.50 -36.00
Sulphate, bots oz.35.00 -37.00
Hydrastinine, 10-grain bots. bot. 1.95 - —
Hydrastis (see Goldenseal).
Hydrofuramide, dms., lb. ens., works lb. .30 - .40
Hydrogen peroxide, USP, bbls. lb. .03¾ - .05
27½%, cbys., E. of Miss. lb. .17½ - .19½
35%, cbys., same basis lb. .23½ - .25½
dms., c.l., same basis lb. .20½ -
l.c.l., same basis lb. .21 - .23½
tanks lb 19¾ -
Hydrogen peroxide prices on W. Coast, 2c. per lb. higher.
Hydroquinone, photographic, bbls., dms lb. .90 - —
tech., dms. lb 70 - —
Hydroxycitronellal, ens. lb. 7.30 - 8.05
Hyoscine salts (see Scopolamine)
Hyoscyamine, bots. oz.15.75 -16.00
Hydrobromide, bots. lb.16.50 -18.00
Sulphate, bots. oz.13.50 -14.00
Hypernic extract, cryst., No. 1, bbls., l.c.l lb. .56 - —
No. 2, bbls., l.c.l lb. .48 - —
liquid, No. 1, bbls., l.c.l lb. .30 - —
No. 2, bbls., l.c.l lb. .25 - —
solid, No. 1, bxs., l.c.l lb. .44 - —
Hyssop herb, bgs lb. .35 - .45
Leaves, bgs. lb. .45 - .50

I

Iceland moss, bgs lb .35 - .40
Ichthammol, NF, dms lb. .60 - .75
Indian red (see Red, Indian).
Indigo, nat., chests lb 2.14 - 2.16
synth., paste, bots. lb .23 - —
powd., bbls. lb 1.03 - —
Indol, CP, bots lb 17.00 -19.00
Inositol, dms., dlvd lb 4.90 - —
tins, dlvd lb. 5.00 - —
Insect flowers (see Pyrethrum).
Iodine, crude, kgs lb 1.52 - —
resubl., USP., bots., jars lb 2.30 - 2.41
Iodochlorohydroxyquinolin, NF dms. lb 5.90 - —
Iodoform, NF, dms., kgs lb 4.45 - 4.60
Ionone, alpha, ens. lb. 5.30 -13.60
beta, ens. lb 8.65 -10.00
Ipecac root, bgs lb. 4.75 - 5.00
powd., bgs. lb. 5.50 - 6.00
Irish moss, bleached, prime, bls. lb. .18 - .20
Iron acetate, liquor, 25° bbls., c.l., works lb. .09 - —
l.c.l., works lb. .09¾ - —
solut., USP IX, cbys. lb. .16 - —
dms. lb. .17 - —
Cacodylate, NF, bots lb.13.50 -14.50
Chloride (ferric), anhydr., tech., dms., c.l., works 100 lbs. 5.75 - —
l.c.l., works 100 lbs. 6.50 - 7.50
cryst., tech., c.l., bbls., works 100 lbs. 5.00 6.00
l.c.l. bbls. works 100 lbs. 5.50 8.00
USP, dms., works lb. .07 - .08¼
solut., 42° Be, 100% basis, tanks, works 100 lbs. 3.45 - —
Citrate, gran., dms lb. .77 - .80
Gluconate, NF, dms lb. .83 - .95
Glycerophosphate, N F., powd lb 4.25 - 4.35
Hypophosphite, NF, dms lb 2.30 - —
Iodide, bgs lb. 3.66 - 3.73
Naphthenate, liq., 6% Fe, dms., frt. alld lb .21¼ - .21¾
Oxalate, gran., dms lb. .83 - .85
Phosphate, soluble, NF, gran., cs lb. .64 - .65
Pyrophosphate, soluble, NF VII, gran., dms lb. .78 - .91
Reduced (see Iron by hydrogen).
Resinate 7.4% Fe, dms, frt. alld. lb. .23 - —
Stearate, dms., c.l lb .34 - —
ton lots lb .35 - —
less ton lots lb .36 - —
Sulphate, partially hydrated, bgs., c.l., works ton.28.50 - —
l.c.l., works ton.29.50 - —
ferrous, tech (see Copperas)
USP, cryst, bbls., dms lb. .09½ - .10
Iron by hydrogen, kgs lb. .80 - .85
Iron-ammonium citrate, green, NF, gran., dms lb .55 - .58
brown, USP, gran., dms lb .55 - .58
Oxalate, dms lb. 25½ - 28½
Iron-potassium oxalate, fine gran., dms. lb. .30½ - .33½
Iron-sodium oxalate, fine gran., dms lb. .25½ - .28½
Isoborneol, ens. lb. .84 - .95
Isobornyl acetate, ens lb. .77 - .97
Isobutyl acetate, ens lb. .72 - 1.25
Methacrylate, dms., works lb .60 —
Propionate, ens. lb No prices.
Isobutyraldehyde, dms., works lb 57 - 58
Isoeugenol, ens. lb. 3.50 - 3.55
Isoleucine, dextro-laevo, with al loisoleucine, dms., works lb 2.00 - 35.00
Isopentane, dms., works lb .45 - .55
Isophorone, dms., c.l., works lb. .22½ - —
l.c.l., works lb. .23 - —
tanks, works lb. .21 - —

Agricultural insect enemy No. 1 in Canada this year again was the grasshopper. Agricultural chemical No. 1 for control of the grasshopper this year in Canada was ALDRIN. ALDRIN was chosen on the basis of results of rigorous tests conducted under the supervision of Canadian Agricultural Experiment Stations. ALDRIN'S effectiveness and economy can best be evidenced by the following dosage used by the Canadians: **2 ounces of ALDRIN to the acre.**

ALDRIN'S gradual volatility affords protection from 'hoppers up to a week at recommended dosage levels and at the end of two weeks, no ALDRIN residue can be detected on treated foliage by chemical analysis.

Over two million acres of crop (largely wheat), and range land in Alberta, Manitoba and Saskatchewan have been sprayed, dusted and baited with ALDRIN this year. The performance of ALDRIN in Canada for grasshopper control establishes a new record for *effectiveness* and *economy*.

***Registration of Aldrin for grasshopper control has been granted by the U.S.D.A.; labels should now be submitted for approval.**

It is not too early now to plan next year's formulations and sales campaign for ALDRIN insecticides for grasshopper control. The new low cost per acre treatment means a greatly expanded market in 1951.

Write for circular 402: Control of Grasshoppers with Aldrin.

Julius HYMAN & Company
DENVER, COLORADO

EASTERN SALES OFFICE: 11 WEST 42ND STREET, NEW YORK 18, NEW YORK
WEST COAST SALES OFFICE: 25 BEALE STREET, SAN FRANCISCO 5, CALIF.

Isopropanol (see Alcohol, isopropyl).
Isopropyl acetate, dms., c.l., frt. alld. lb. .10¾- .11¾
l.c.l., same basis lb. .11¼- .12¼
tanks, same basis lb. .09 - .10
Alcohol (see Alcohol, isopropyl).
Benzene (see Cumene)
Ether (see Ether, isopropyl).
Isopropylamine (see Monoisopropylamine).
Isoquinoline, dms., c.l., works .. lb .20 - —
l.c.l., works lb .40 - —

J

Jaborandi leaves, bls. lb. .15 - .20
Jalap root, NF, bls lb .43 - .45
powd., bbls., bxs lb .48 - .50
Resin, NF powd., bxs lb 6.20 - 6.60
Juniper berries, bgs lb. .10 - .15
Tar, dms. lb. .40 - .65

K

Kamala, powd., cns lb. .70 - .80
Kaolin (see China clay)
Kava kava root, bls lb .25 .30
Kerosene, at refinery, Ark., 42-44 specific gravity, w.w., tanks gal. .08625- —
Bayonne, 41-43 s.g., w.w., tanks, gal. .092 - —
California, 40-43 s.g., w.w., tanks gal. .121 .126
Gulf ports, 41-43 s.g., w.w., tanks gal. .086 - .0925
Okla.-Tex. 41-43 s.g. w.w. tanks gal. .085 .09
Kerosene, at refinery, Penn., Western, 45 s.g., w.w., tanks gal. .0975- .10
Kola nuts, ngs lb. 08 10
Kyanite, imp. low iron content, 10 mesh whse ton 85 00 - 95 00
calcined, grain, 10-mesh, whse ton 95 00 - 105 00

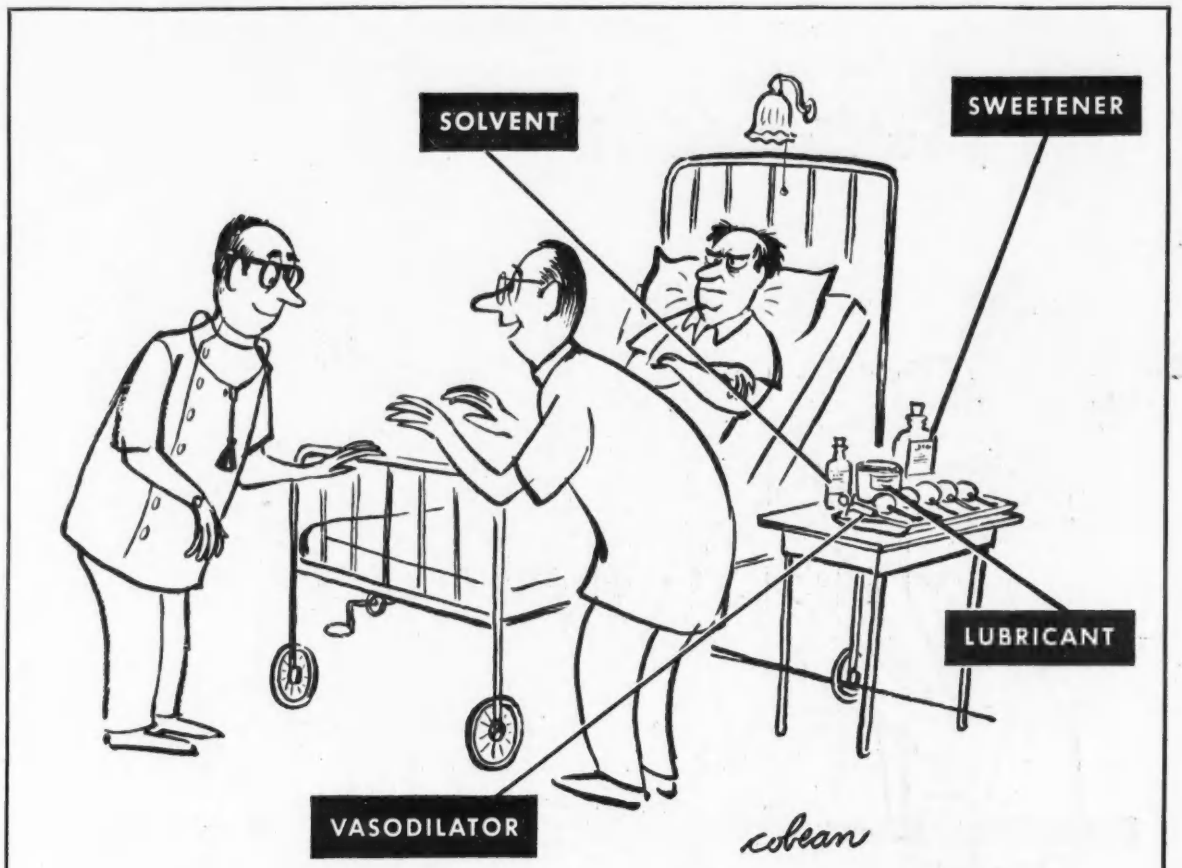
L

Lady slipper root, bls. lb. 1.45 1.50
Lanolin, anhyd., cosmetic, dms., works lb. .30 .32
pharmaceutical, USP, dms., works lb. .28 - .31
hydrous lb. .27 - .29
Lard, cash, trcs., Chicago lb. .1475- —
Larkspur seed, bgs lb .20 .25
Laurel berries, bls lb .25 .26
Leaves, Greek, bls lb .08 .08½
Turkish, bls. lb. .11 .11½
Yugoslavian, bls. lb. .08½ .09
Lauryl chloride, dms., works, frt. equald lb. .711 - —
Methacrylate, normal, dms., less than truckload, works lb. 1.00 - —
Lavender flowers, medium, bls lb .55 .60
ordinary, bls. lb. .16 - .20
select, bls lb .60 .65
Lead acetate, white, crystals, bbls., lb. .20 - —
gran., bbls lb. .21 - —
powd., bbls lb. .21 - —
USP, cryst., dms lb. .21¾- —
gran., powd., dms lb. .21¾- —
Arsenate, dealers, basic powder, 3-lb. bgs., or larger, c.l., frt. alld. on 96 lbs or over lb. .25 - —
l.c.l., frt. alld lb. .26 - .27
1-lb. bgs., c.l., frt. alld lb. .37½ - —
l.c.l., frt. alld lb. .38½ .39½
Lead arsenate prices are works or whse. basis frt. alld. on purchases totaling $75.00 or more to dest. East.
Blue, basic sulphate, bbls., c.l., ship't point, frt. alld. lb. .14 - —
l.c.l., works lb. .15 - —
Carbonate (see Lead, white).
Chloride, dms. lb. .29 - —
Iodide, NF V. jars lb 3.30 - —
Linoleate liq. 18% Pb, dms., frt. alld lb. .29¼ —
Metal, pigs, prime, N. Y. lb. .13 - —
St. Louis lb. .1280- —
Metallic paste, dms., 20,000-40,000 lbs., works lb. .27½ - —
10,000-20,000 lbs., same basis lb. .28 - —
2,000-10,000 lbs., same basis lb. .28½ - —
200 to 2,000 lbs., same basis lb. .29 - —
Prices ex whse., Jersey City, N. J., 4½c. per pound higher.
Naphthenate, liquid, 16% Pb, dms., dlvd. lb. .15 - —
24% Pb, dms., dlvd lb. .20¼- —
37% Pb, dms., dlvd lb. .26½- —
Nitrate, bbls., c.l. lb. .20 - —
l.c.l. lb. .20¼- —
Oleate, fused, bbls lb 24 —
Orthosilicate gel, 50% PbO, dms., works lb. .29½- —
60% PbO, dms., works lb. .28 - —
Peroxide, powd., tech., bbls lb. .38 - .39
Phthalate, dibasic, dms., works. lb. .37½- —
Red, 95% Pb_3O_4, or less, bbls., c.l., ship't point, frt. alld. lb. .15¾- —
l.c.l., same basis lb. .16¾- —
97% Pb_3O_4, bbls., c.l., same basis lb. .16 - —
l.c.l., same basis lb. .17 - —
98% Pb_3O_4, bbls., c.l., same basis lb. .16¼- —
l.c.l., same basis lb. .17¼- —
Resinate, precip., dms., dlvd lb. .25½- —
Salicylate, normal, dms., works lb. .41¾- —
Silicate, bgs., l.c.l., ship't pt., frt. alld lb. .14¾- —
Stearate, dibasic, dms., works lb. .50¼- —
precip, bbls., c.l. lb. .36 —
ton lots lb .37 - —
less ton lots lb .38 —
Sulphate (see Lead, blue; Lead, white, basic sulphate)
trihasic, dms., works lb. .24¼- —
Tallate, liquid, 16% Pb, dms. lb. .12½- —
solid, 30% Pb, dms lb. .19¼- —
White basic carbonate, bgs., c.l., ship't point, frt. alld. lb. .15½- —
l.c.l., same basis lb. .16½- —
basic silicate bgs., c.l., ship't point, frt. alld. lb. .14¼- .17¼
l.c.l., same basis lb. .15¼- .18¼
basic sulphate bgs., c.l., ship't point, frt. alld lb. .14 - —
l.c.l., same basis lb. .15 - —
Lecithin, edible, tech., bleached dms., non-ret., c.l., works lb. .15½- —
l.c.l., same basis lb. .16½- —
unbleached, c.l., same basis lb. .14½- —
l.c.l., same basis lb. .15½- —
Lemon peel, bls lb. .18 - .20
Leucine, dextro-laevo, dms., works lb 25 00 - 35 00
Licorice extract, mass, cns lb 40 .45
powd. bbls. lb .55 —
Root, bls lb 08 .09
5-lb bundles, cs lb 40 .45
powd. bbls lb .11 .12

Lignin extract, tanning grade, bgs., c.l., works lb. .05¼- .06½
Lime, agricultural, bgs., works ton 13.00 - 13.50
Chemical (quicklime), lump, pebble, bulk, Adams, Mass. ton 10.00 - —
Annville, Pa. ton 10 50 - —
Bellefonte, Pa. ton 10.50 - —
Buffalo N Y. ton 10.00 - —
Carey, Ohio ton 7.00 - —
Cedar Hallow Pa ton 10.50 - —
Farnams, Mass ton 14.00 - —
Gibsonburg, Ohio ton 8.50 - —
Hannibal, Mo ton 7.50 - —
Keystone, Ala ton 9 75 - —
Knoxville, Tenn ton 9.75 - —
Limedale, Ark ton 9.00 - —
Longview, Ala. ton 9.75 - —
Martinsburg, W Va ton 10.00 - —
Menominee, Mich ton 8.50 - —
Mitchell, Ind. ton 7.50 - —
Rockland, Maine ton 9.00 - —
Scioto, Ohio ton 7.50 - —
Sherwood, Tenn ton 10.00 - —
Sherwood, Wis ton 8.50 - —
Woodville, Ohio ton 9.50 - —
York, Pa ton 10.50 - —
Hydrated, paper bgs., Adams, Mass ton 11.50 - —
Annville, Pa ton 13.50 - —
Bellefonte, Pa ton 13.50 - —
Buffalo N Y ton 13.50 - —
Carey, Ohio ton 9.00 - —
Cedar Hollow, Pa ton 13.50 - —
Engle, W Va. ton 13.00 - —
Farnams, Mass ton 14.00 - —
Gibsonburg, Ohio ton 9.50 - —
Keystone, Ala ton 13.00 - —
Knoxville, Tenn ton 12 25 - —
Limedale, Ark ton 10 50 - —
Longview, Ala ton 13.00 - —
Manistique, Mich ton 9.50 - —

Lime, hydrated, paper bgs., Marblehead, Ohio ton. 10.50 - —
Mitchell, Ind. ton. 10.00 - —
Petoskey, Mich ton 10 00 - —
Port Island, Mich ton. 9.00 - —
Rapid City, S Dak. ton 12.00 - —
Rockland, Maine ton 9 00 - —
Scioto, Ohio ton 9 00 - —
Sherwood, Tenn. ton. 13.00 - —
Sherwood, Wis ton 10 00 - —
Springfield, Mo ton 9.00 - —
Woodville, Ohio ton 8.50 - —
York, Pa ton 13.50 - —
Spray, paper bgs., Adams, Mass ton. 11.70 - —
Annville, Pa ton 13 50 - —
Bellefonte, Pa ton 13.50 - —
Carey, Ohio ton 11 00 - —
Engle, W Va ton 13 00 - —
Farnams, Mass. ton. 14.00 - —
Gibsonburg, Ohio ton 10 00 - —
Marblehead, Ohio ton 10.00 - —
Rockland, Me ton 10 00 - —
Scioto, Ohio ton 10 00 - —
Woodville, Ohio ton 10 00 - —
York, Pa ton 13 50 - —
Lime salts (see Calcium)
Lime ammonia nitrogen 20.5% N (see Ammonium nitrate-limestone)
Limestone grd, bgs, works ton 3.50 4 00
Linalool, ex bois de rose lb. 5.45 - 5.90
ex lignaloe wood lb 6.50 7.10
Linalyl acetate, 90-92%, bots lb 5.50 6.00
96-98%, bots. lb. 6.35 - 7.25
ex petitgrain, bots lb 4.25 6 00
Lindane, 25%, cns., works lb 3.00 3.05
dms, works lb 2.95 —
Linden flowers with leaves, bls. lb. .22 .23
without leaves, bls lb. 22 28

Linseed meal, expeller, 34% bulk, Midwest mills ton. 59.00 - —
extracted, 34%, same basis ton. 59.00 - —
Litharge, comm'l, powd, bbls., c.l., ship't point, frt. alld lb. .14¾- —
l.c.l., same basis lb. .15¾- —
Lithium benzoate, dms lb. 1.67 - —
Bromide, NF, bbls., works, frt. equald lb. 2.00 - 2.25
Carbonate, NF, bbls., kgs lb. 1.05 - 1.15
Chloride, cryst., dms lb. .93 - —
Citrate, NF, bbls., dms., kgs lb 1.05 - 1.40
Fluoride, bbls lb. 1.80 - 2.00
Hydride, dms., works lb. 14.00 - 18.50
Hydroxide, monohydrate, dms lb. .90 - 1.25
Salicylate, dms lb. 1.62 - 1.70
Lithopone, ordinary, bgs., c.l. dlvd. lb. .06½- —
l.c.l., dlvd. lb. .07¼- .07½
Titanated (high-strength), bgs., c.l., dlvd lb. .08½- —
l.c.l., dlvd. lb. .09½- —
Lithopone prices, Pacific Coast, 1c. per lb higher.
Liverwort leaves, bls lb 70 75
Lobelia herb, bls lb. .55 - .56
leaves, NF lb 85 90
Lobeline sulphate, bots, works oz. 34.00 - 38.00
Logwood extract, crystals, No 1, bbls., l.c.l. lb 38½- —
No 2, bbls, l.c.l. lb 36½- —
liquid, No 1, bbls., l.c.l. lb. .18½- —
No 2, bbls, l.c.l. lb 17½- —
No 3, bbls, l.c.l. lb 17 - —
No 4, bbls, l.c.l. lb 16½- —
solid, No. 1, bxs., l.c.l. lb. .33 - —
No 2, bxs, l.c.l. lb 31 —
No 3, bxs, l.c.l. lb 28½- —
No 4, bxs, l.c.l. lb 28 —
No 5, bxs, l.c.l. lb 26½ —
No 6, bxs, l.c.l. lb 44½ 49¼



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Lovage root, imported, bls.....lb. 1.00 - 1.10
Lupulin, tins ..... lb 1.95 2.00
Lycopodium, cs..... lb. 1.35 - 1.50
Lysine hydrochloride, dextro-laevo, fifo.145.00 -149.00

M

Mace, Amboyna, bls.....lb. No prices.
Banda, No. 1, bls.....lb. 1.60 - 1.65
Sinaw, No. 1, bls.....lb. 1.50 - 1.55
West Indian, bls.....lb. 1.25 - 1.30
broken, bls.....lb. 1.20 - 1.25
Madder, Dutch ngs.....lb. .29 - .32
Magnesia, calcined, tech., ctns., works lb. .32 - —
synth., rubber grade, ctns., works lb. .29 - .31
USP, light ctns.....lb. .34 - —
heavy, bbls.....lb. .36 - —
Magnesium arsenate, bgs., cans, works lb. .20 - .30
Bromide, tars lb. .90 - 1.00
Carbonate, tech., bgs., c.l., frt. equald lb. .09 - —
t.c.l., frt. alld.....lb. .10 - —
bbls., c.l., frt. equald.....lb. .10¼ - —
t.c.l., frt. alld.....lb. .11¼ - —
kgs., c.l., frt. equald.....lb. .11½ - —
t.c.l., frt. alld.....lb. .12½ - —
USP, bgs., c.l., frt. equald lb. .10¾ - —
t.c.l. frt alld lb .11¾ - —
bbls., c.l., frt. equald.....lb. .11¼ - —
t.c.l., frt. alld lb .12¼ - —
kgs., c.l., frt. equald.....lb. .12½ - —
t.c.l. frt alld lb .13½ - —

Magnesium carbonate is quoted frt. alld. to N. J. except to Atlantic, Burlington Cape May, Cumberland, Glostershire, Ocean and Salem counties, and to Phila county, Pa. Frt. equald. with N Y C. on all other destinations.

Magnesium chloride, anhyd., dms., works lb. .12¼ - —
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t.c.l., works.....ton.49.00 -51.00
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Hydroxide, NF, medicinal, bbls., dms., kgs lb. .29 - .30
Hypophosphite, dms. lb. 1.60 - —
Laurate, bbls.....lb. .46 - .47
Metal, 99.8% ingots, cs., works.lb. .22¼ - —
sticks, cs., works, frt. alld. on c.l. basis lb. .39 - —
Oleate, fused, bbls .....lb. .31 - —
Oxide (see Magnesia, calcined)
Peroxide, 15%, dms., works lb. 1.00 - 1.05
Phosphate, tribasic, NF, bbls lb. .75 - —
Silicate (see Talc).
Silicofluoride bbls., works.....lb. .09 - .10
Stearate, ctns., c.l.....lb. .35 - —
smaller lots .....lb. .36 - .37
Sulphate (see Epsom salt).
Trisilicate, USP, dms.. 1,000-lb. lots lb. .45 - —
100-lb. lots .....lb. .50 - —
Magnesite, chemical grade, bgs., c.l., mines, Calif. ton.67.50 - —
dead-burnt, bulk, c.l., standard grain, Chewalah, Wash. ton.33.00 - —
Maleic anhydride, dms., c.l., dlvd., lb. .30 - —
t.c.l., dlvd. .....lb. .31 - —
Prices on maleic anhydride West of Rockies 1½c. higher
Malva flowers, black, bls.....lb. 1.00 - 1.25
Blue, bls. .....lb. .95 - 1.10
Leaves, bls. .....lb. .30 - .35
Mandrake root, bls .....lb. .40 - .43
Manganese acetate, bbls. .....lb. .32 - —
Arsenate, bgs.....lb. .12 - .12½
Borate, tech., bbls .....lb .23 - —
Carbonate, bbls., works .....lb. .21 - —
Chloride, anhyd., dms., works lb. .20 - .22
Manganese dioxide, African, battery, 84-87%, bgs., 100 tons, works. ton.78.00 - —
smaller lots, works. ton.84.00 -94.00
Gluconate, dms., cns.....lb. 1.86 - 1.93
Glycerophosphate, NF, fib. dms lb. 4.15 - 4.60
Hydrate, bbls., works .....lb. .34 - —
Hypophosphite, NF, dms .... lb. 2.00 - —
Linoleate, liquid, 4.35% Mn. dms. alld lb. .39¼ - —
solid, precip., 8.2% Mn. bbls., lb. .41½ - —
Metal, cs., dlvd. East.....lb. .30 - .32
Naphthenate, liquid 6% Mn, dms., frt. alld lb. .22¾ - .23¼
Oleate, precip. bbls .....lb. .33½ - —
Resinate, fused, 3½% Mn, dms. precip, dms .....lb. .21½ - —
Stearate, ctns., c.l .....lb. .35 - —
smaller lots .....lb. .36 - .37
Sulphate, fertilizer grade, 65%, bgs., c.l., dlvd. S E ton.66.00 - —
t.c.l., dlvd. S. E ton.73.00 - —
feed grade, 80%, bgs., dlvd., S. E lb. .05¼ - .07
75%, bgs., c.l., dlvd. S E ton.76.00 - —
t.c.l., dlvd. S. E ....ton.83.00 - —
Tallate, liquid, 4% Mn. dms .lb. No prices.
solid, 8% Mn. dms .lb. No prices.
Mangrove bark, E. Africa, 38% tannin, c.l., ex dock ton. No stocks.
So. American, 30-32% tannin, c.l., ex dock ton.60.00 -61.00
Manna, flake, large, cs .....lb 1.10 - 1.35
small, cs .....lb. .85 - 1.00
Mannitol, com'l, dms., works.....lb 40 - .43
reagent, 50-lb. dms., works.....lb .85 - —
Marjoram, Argentine, bls .....lb. .14 Nom.
Bohemian, bls. .....lb. .34 - .34½
Chilean, bls. .....lb. .34 - .34½
French, bls., afloat .....lb. .45 - .46
Peruvian, bls .....lb. .40 - .41
Matico leaves, bls .....lb. .25 .33

Melamine, bgs. ton lots, works.. lb. .33 - —
500 lbs. or more, works.....lb. .33½ - —
less 500 lbs., works.....lb. .38½ - —
Menadione, USP, bots .....gram. .06½ - —
Menthol, natural, USP, bots.....lb.13.00 -16.00
synthetic, USP, racemic, cns....lb 7.25 Nom.
Menthyl salicylate, tins .....lb 4.00 4.25
Mercaptobenzo thiazole, bgs., fib. dms., ton lots, works, frt. alld lb. .30 - —
less ton lots, same basis lb. .32 - —
Mercaptobenzothiazyldisulphide bgs., fib. dms., ton lots, works, frt. alld lb. .38 - —
less ton lots, same basis lb. .40 - —
Mercury, ammoniated (see White precipitate).
Bichloride (see Corrosive sublimate)
Bisulphate, dms. .....lb 2.13 2.15
Chloride (see Calomel).
Cyanide, NF, crys., powd., fib. dms lb 3.27 - 3.32
Iodide, red, NF, dms .....lb 4.07 - —
yellow, NF, fib. dms .....lb 4.22 - —
Meta (see Quicksilver).
Oxide, red, NF (see Red precipitate).
yellow, tech. (see Yellow, mercury oxide)
USP, fib dms. .....lb 2.44 2.46
Mesityl oxide, dms., c.l., dlvd .lb. .13¼ - —
t.c.l., dlvd. .....lb. .14 - —
tanks, dlvd .....lb. .11½ - —
Metaldehyde, dms., works.....lb. .78 1.00
Metanilic acid, dms., works .....lb. .75 - —
Metacresol, 98%, dms., c.l., works lb. .65 - —
t.c.l., works.....lb. .66 - —
Metanitroanilin, dms., frt. alld....lb. .97 - —
Metaparaisopropylphenol, dms., c.l. .lb. .21 - —
t.c.l. .....lb. .22 - —
tanks .....lb 20 - —
Metanitroparatoluidin, bbls .....lb. 1.29 - 1.44
Metaphenylenediamine, kgs., frt. alld. lb. .84 - —
Metatoluidine, bbls., works, frt. alld. lb. .94 - —
Metatolylenediamine, kgs., frt. alld. lb. .94 - —
Methanol, natural, denaturing grade, dms., c.l., frt. alld gal. .68 - —
t.c.l., frt. alld.....gal. .79 - —
tanks, frt. alld.....lb. .60 - —
Prices on natural methanol W. of Miss. 3c. higher
synthetic, zone 1, dms. c.l., frt. alld gal. .38 - —
t.c.l., frt alld .....gal. .41 - .43
tanks, frt. alld .....gal. .26 - —
zone 2, dms., c.l., frt. alld gal. .43½ - .45
t.c.l., ex whse.....gal. .46½ - —
tanks, frt. alld .....gal. .29½ - .31

Synthetic methanol zones are: Zone 1 is all continental U. S., E of eastern boundaries of Ariz., Idaho, Mont., and Utah. Zone 2 is remainder of the U. S., west of above state boundaries, comprising Ariz., Calif., Idaho, Mont., Nev., Ore., Utah and Wash.

Methenamine (see Hexamethylenetetramine).
Methionine, dextro-laevo, fib. dms. frt. alld., 50-lb. or more lb. 4.55 - —
feed grade, 98%, same basis. lb 3.00 - —
97%, same basis .....lb. 2.97 - —
Methoxychlor, 50% sol., dealers, dms., cs., works lb. .65 - —
Methyl acetate non-tet. dms., c.l., dlvd., zone 1 lb. .17 - —
t.c.l. same basis lb. .17½ - —
hydrogenated, non-tet. dms., c.l., dlvd., zone 1 lb. .17¼ - —
t.c.l., same basis lb 17¾ - —

Zone 1 includes New England and Middle Atlantic states, Va., W. Va., N. C., Ohio, Ky., Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn., St. Louis, Mo., Miss., Ala., Ga., Fla., S. C. and Penn.

Acetoacetate, dms., c.l., dlvd.. lb. .53 - —
t.c.l., dlvd .....lb. .54 - —
tanks, dlvd.....lb. .51½ - —
Methyl acetoacetate prices frt. alld W. ½c. higher
Acetone, natural, group A, dms., extra, c.l., E. of Miss., frt. alld. lb. .60 - —
t.c.l., same basis gal 71 - —

Natural methyl acetone group A prices W. of Miss. 3c. per gal. higher

Group B dms., incl., E. Miss., frt. alld., any quantity gal. .50 - —
synthetic, dms., c.l., works, frt. alld. E gal. .53 - —
frt. alld. W gal. .57 - —
t.c.l., works, frt. alld. E gal. .56½ - —
frt. alld W .....gal. .60½ - —
tanks, works, frt. alld. E gal. .43½ - —
frt. alld W .....gal. 47 - —

Methyl acetone, synth., East territory is all States East of and including Colo., Mont., N. Mex. and Wyo. West territory, all States West of those four.

Acrylate, dms., c.l., and truckload, works lb. .50 - —
less than truckload, works lb. .50½ - —
Alcohol (see Methanol)
Anthranilate, cns., 100 lbs. or more lb. 2.10 - 2.90
extra cns. .....lb. 4.00 - 4.40
Benzoate, cns .....lb. .55 - 1.20
Bromide, dealers, cns.....lb. .69 - .71
cyls .....lb .69 .78
Chloride, indust., cyl., works lb. .18 - —
tanks, multi-unit, works... lb. .15½ - —
single-unit works .....lb. .11 - —
refrigerator mfrs. cyls. dlvd lb. .39 - .48
other consumers or service men, cyls., dlvd lb. .49 - —
Cinnamate, cns. .....lb. 1.43 - 1.75
Cyclohexanol, dms., c.l., works lb. .28½ - —
t.c.l., works .....lb. .30 - —
tanks, works.....lb. .27 - —
Formate, refd., dms.....lb. .35 - .40
tech., non-ret. dms., any quantity, works lb. .08 - —
tanks, works .....lb .07 —
Iodide, bots., works .....lb 3.65 - 4.78
cbys., works .....lb 2.80 - 3.00
Lactate, dms. t.c.l., works lb .35 —
Methacrylate, dms., c.l. and truckload, works lb. .44½ - —
less than truckload, works lb. .45 - —
Parahydroxybenzoate, USP, bots. lb. 2.10 2.20
fib dms .....lb 1.90 2.00
Roseanilin chloride, USP, bot lb. 5.17 - 5.27
Salicylate, USP, dms., 500 lbs. lb. .45 - —
cans, 50 lbs .....lb. .50 - —
Testosterone, USP 100 gms... gm 3.50 —
Methylheptin carbonate, bots... lb.35.00 -56.00
Methylal, refined 95%, dms., c.l., works lb. 11 - —
t.c.l. works .....lb. 12 - —
tanks, works .....lb. 09 - —
Methylamyl acetate, dms., c.l., dlvd. lb. .14½ - —
t.c.l., dlvd.....lb. .15½ - —
tanks, dlvd.....lb. .12½ - —
Ketone, dms., works.....lb. 1.05 - —
Methylcellulose, special vis., 4,000 cps.), fib. ctns., c.l., works, lb. .68 - —
2,000 lbs. and more, same basis lb. 70 - —
smaller lots, frt. alld. on 100 lbs lb. .75 - .87
standard vis., (15-1,500 cps.), fib. ctns., c.l., frt. alld lb. .61 - —
2,000 lbs and more, same basis lb 63 —
smaller lots, frt. alld. on 100 lbs lb. .68 - .70

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Methylene blue, 100-lb. lots, kgs., frt. adjusted lb. 2.87 - —
smaller lots, kgs., same basis lb. 3.02 - 3.22
Chloride indust. dms., c.l., dlvd. E. lb. .12 -
l.c.l., dlvd. E. lb. .13½ - —
tanks, dlvd. E. lb. .11½ - —
Methylethyl ketone, dms., c.l., dlvd. lb. .10¾ - .11¾
l.c.l., dlvd. lb. .11½ - .12¼
tanks, dlvd. lb. .09 - .10
Methylionone, A. cns. lb. 6.55 - 6.80
D. cns. lb 7.50 - 9.55
prime, cns. lb 4.55 - 6.40
Methylisobutyl carbinol (see Carbinol, methylisobutyl).
Ketone, dms., c.l., dlvd. lb. .13¾ - —
l.c.l., dlvd. lb. .14½ - —
tanks, dlvd. lb. .12 - —
Methylnaphthyl ketone, cns. lb 3.00 3.75
Methylparaben (see Methyl parahydroxybenzoate).
Methylpentanediol (see Hexylene glycol).
Methylphenylpyrazolone dms. dlvd. lb. 1.40 - 1.45
250 lbs., dms., dlvd. E. of Miss. lb. 1.51 - —
less than 250 lbs., dms., same basis lb. 1.71 - —
Methylthionine chloride (see Methylene blue).
Mica dry-grd., paint, plastic, 100 mesh, bgs., c.l., works lb. .03½ - —
roofing, 20 to 80 mesh, works lb. .03¾ - —
wet-grd., biotite, bgs., c.l., works, frt. alld., E lb. .05¾ - —
l.c.l., ex whse., or frt alld. E lb. .06½ - —
extra fine, bgs., c.l. works, frt. alld., E lb. .05¾ - —
l.c.l., ex whse. or frt alld. E lb. .06½ - —
paint or lacq., bgs., c.l., works, frt. alld. E lb. .07¼ - —
l.c.l., ex whse or frt. alld. E lb. .08 - —
Mica, wet grd., rubber, bgs., c.l., works, frt. alld. E lb. .07 - —
l.c.l. ex whse. or frt. alld. E lb. .07¾ - —
wallpaper, bgs., c.l., works, frt. alld. E lb. .07¼ - —
l.c.l. ex whse. or frt. alld. E lb. .08 - —
white, extra, fine, bgs., c.l., works, frt. alld. E lb. .07½ - —
l.c.l. ex whse or frt. alld. E lb. .08 - —
Mica, wet-grd., W. of Miss. R., ½c. higher, W. of Rockies 1c. higher.
Milk powder, skimmed, roller, bbls., c.l lb. .10½ - .10¾
spray, bbls. c.l lb. .12¼ - .12¾
Whole, roller, bbls., c.l. lb. .28 - .33
spray, bbls. c.l. lb. .28½ - .33½
Sugar, crude, bgs., c.l., works lb. .16 - —
edible, bbls., works, 30,000-lb. lots lb. .22 - —
2,000-lb. lots lb. .22¾ - —
200-1,300-lb lots lb. .23¼ - —
USP, bbls., works, 30,000-lb. lots lb. .26 - —
2,000-lb lots lb .26¾ - —
200-1,500-lb lots lb. .27¼ —
Molasses, blackstrap, tanks gal. .15 Nom.
New Orleans, tanks gal. .15 Nom.
Molybdate orange (see Orange molybdate)
Mineral spirits (see Petroleum mineral spirits).
Molybdenum metal 90% Mo., powd., kgs lb. 2.60 - 3.00
pure, kgs., works, basis Mo. content lb. .95 - —
technical, kgs., works, basis Mo. content lb. .80 - —
Monochlorobenzene, dms., c.l., frt. alld., as dlvd lb. .08½ - .09½
l.c.l., same basis lb. .09½ - .10¼
tanks, same basis lb. .07 - .08
Monochlorobenzene prices in the West, 1¼c. higher.
Monoethanolamine, dms., c.l., frt. alld. E lb. .27 - .28¼
l.c.l., same basis lb. .28 - .29¼
tanks, same basis lb. .25½ - .26½
Monoethylalphanaphthylamine, dms., works lb. .88 - —
Monoethylamine, dms., c.l., frt. alld. E., basis 100%. lb. .21¾ - —
l.c.l., same basis lb. .22¾ - —
tanks, same basis lb. .20 - —
Monoethylorthotoluidine, bbls. lb. .50 - —
Monoisopropylamine, dms., c.l., frt. alld. E lb. .24¼ - .25¼
l.c.l., same basis lb. .25¼ - .26¼
tanks, same basis lb. .22½ - .23½
Monomethylamine, 25%-40%, dms., c.l. works, basis 100%. lb. .35 - —
l.c.l., same basis lb. .35½ - .36
tanks, same basis lb. .31 - —
Monononylnaphthalene, dms., c.l., works lb. .14 - —
l.c.l., works lb. .15 - —
tanks, works lb. .13 - —
Monosodium fluoroacetate (see Sodium fluoroacetate monobasic)
Monosodium glutamate (see Sodium glutamate, monobasic)
Phosphate (see Sodium phosphate, monobasic)
Monotertiarybutylmetacresol, dms., c.l., works lb. .50 - —
l.c.l., works lb. .51 - —
tanks, works lb. .49 - —
Morphine, cns. oz. 12.40 - 12.60
Acetate, cns. oz 9.85 - 9.90
Hydrobromide, cns. oz. 9.80 - 9.90
Hydrochloride, NF, cns oz 9.90 - 10.00
Sulphate, USP, cns oz. 9.90 - 10.00
Morpholine, dms., c.l., works lb. .60½ - —
l.c.l., works lb. .61 - —
tanks, works lb. .59 - —
Mountain ash berries, bgs lb .65 - .75
Mullein flowers, cs lb. 1.15 - 1.20
Leaves, bls. lb. .16 - .18
Musk, natural, Tonquin, grains, bots. oz. 25.00 - 30.00
synthetic—Ambrette, 100 lbs., fib. dms. lb. 5.40 - —
25 lbs., cns. lb. 5.50 - —
5 lbs., cns. lb. 5.65 - —
Ketone, 100 lbs., fib. dms. lb. 4.95 - —
25 lbs. cns. lb. 5.05 - —
5 lbs., cns. lb. 5.20 - —
Xylol, 100 lbs., fib. dms. lb. 1.40 - —
25 lbs., cns. lb. 1.45 - —
5 lbs., cns. lb. 1.55 - —
Musk root, bls. lb No prices.
Mustard seed, Calif., brown, bgs., f.o.b. source lb. .07¼ - .07½
Dutch yellow, bgs., futures lb. .14 - .14½
English, yellow, bgs. lb. .15 - .15½
Montana, brown, Sept.-Oct., bgs., source lb. .05 - .05½
Oriental, Sept.-Oct., bgs., source lb. .05 - .05¼
yellow, Sept. Oct., bgs. source lb. .08½ - .09
Washington, yellow, source, bgs. lb. .11 - .11½
Myrobalans, J1, assorted, ex dock ton 52.00 - —
crushed, ex dock ton 76.50 - —
J2, ex dock ton 42.00 - —

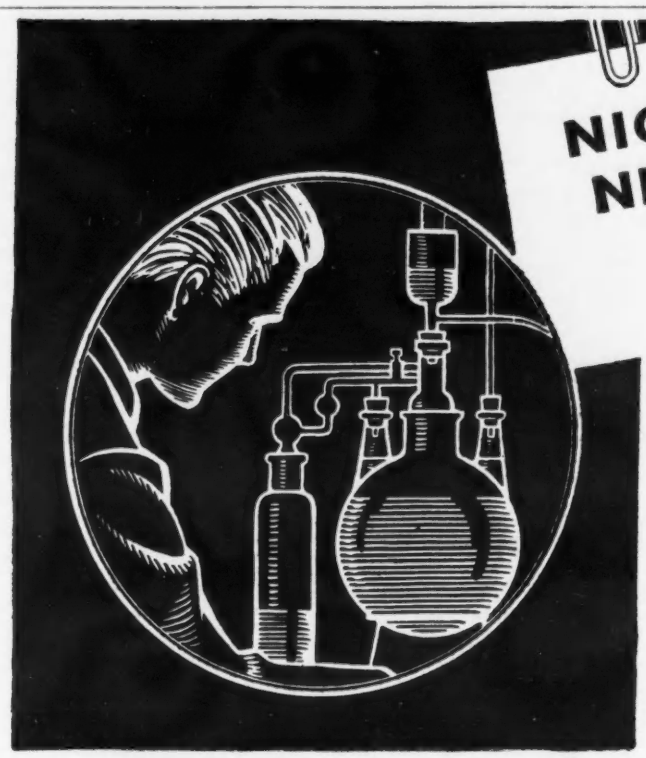
N

Naphtha, painters (see Petroleum naphtha V M & P.)
Solvent (see S)
Naphthalene, dom., crude, 78°, bgs., bbls., works, c.l., frt. equald lb. .67 - —
tanks, same basis lb. .0425 - —
Naphthalene, dom., crude, 78°, bgs., bbls., c.l., works, frt. equald lb. .0535 - —
l.c.l., same basis lb. .0560 - —
dms., c.l., same basis lb. .0650 - —
l.c.l., same basis lb. .07 - —
tanks, same basis lb. .0475 - —
refined, industrial, bbls., c.l., frt. equald lb. .09 - —
bgs., c.l., same basis lb. .08½ - —
tanks same basis lb. .08 - —
balls, flakes, wholesalers, jobbers, bbls., c.l., same basis lb. .11 - —
cs., 50 lbs., c.l., same basis lb. .11¼ - —
1-lb. pkgs., c.l., same basis lb. .14 - —
imported, crude, 78°, 100-ton lots lb. .03¼ - —
refined, 30,000-lb. lots lb. .09½ - —
smaller lots lb. .09¼ - .10½
Neocinchophen, USP, dms., frt. adjusted lb. 7.00 - 7.35
Nephelin syenite, glass, 24 mesh, bulk, Rochester, N. Y. ton. 14.25 - —
pottery, 200 mesh, bulk, Rochester, N. Y. ton. 16.25 - —
Nephelin syenite in bgs., $3 per ton higher than bulk.
Nerolin, cns. lb. 2.05 - 2.25
Niacin (see Acid, nicotinic).
Niacinamide (see Nicotinamide).
Nickel acetate, bbls., dlvd. lb. .52½ - .53½
Carbonate, bbls. dlvd. lb. .57¼ - .57¾
Chloride, bbls., dlvd. lb. .27 - .27½
Cyanide, bots., dms. lb. 1.75 - 2.00
Formate, bbls., ton lots, frt. alld. lb. .49¾ - .50¾
Metal, electro cathodes, cs. lb. .48 - —
Nitrate, bbls., works lb. .26½ - .27½
Oxide, black, bbls lb. .42 - —
Sulphate, bgs., c.l., dlvd. lb. .20 - —
t.c.l., dlvd. lb. .20½ - —
Nicotinamide, USP, dms., frt. adjusted kilo 11.00 - 11.30
Hydrochloride, dms., frt adjusted kilo. 10.50 - 10.80
Nicotine sulphate, 40% 50-lb. dms., dealers frt. alld. over 70 lbs., dm. 49.40 - —
tins, 10 lbs. dealers, frt. alld on cases of 6 tin. 10.85 - —
Nikethamide, bots., cbys. lb. 5.60 - 5.75
Nitercake, bulk works ton no stocks.
Nitrobenzene, dbl. dist., dms., c.l., frt. alld. lb. .10 - —
l.c.l., frt. alld. lb. .11 - —
tanks, frt. alld. lb. .09 - —
Nitrocellulose, ester soluble, 30-35 cps., ¼, ½, ¾, 5-6, 15-20, 30-40, 60-80, 125-175, secs., bbls., c.l., works lb. .28 - —
l.c.l., same basis lb. .29 - .31
18-25 cps., c.l lb. .30 - —
l.c.l., same basis lb. .31 - .33
250-400, 600-1,000 secs. c.l., same basis lb. .32 - —
l.c.l., same basis lb. .33 - .35
spirit soluble, 30-35 cps., ¼, ½ sec., c.l., same basis lb. .35 - —
l.c.l. same basis lb. .36 - .38
5-6, 40-60 secs., c.l., same basis, lb. .34 - —
l.c.l., same basis lb. .35 - .37
Denatured alcohol used in the manufacture of nitrocellulose is charged extra. Drums extra, but returnable
Nitroethane, dms., dlvd., E. of Rockies lb. .25 - —
Nitrogen solution, tanks work's, N ton. 115.00 - —
Nitrogenous process tankage bulk, works, ammo., ship't unit-ton. 3.90 - 4.00
Sewage sludge, bulk, works, unit ton 3.25 + 40
Nitromethane, dms., l.c.l., dlvd. E. of Rockies lb. .25 - —
Nitropropane, 1, dms., dlvd., E. of Rockies lb. .23¼ - —
2, dms., dlvd., E. of Rockies lb. .25 - —
Nonylphenol, dms., c.l., works lb. .28½ - —
l.c.l., works lb. .29½ - —
tanks, works lb. .27½ - —
Nutgalls, Aleppo, bgs lb. .38 - —
Chinese, bgs lb. .32 - —
Istrian, bgs lb .31 - —
Nutmeg, East Indian, broken, limed, bgs lb. .59 - .60
whole, shrivels, bgs lb. .57 - .58
110's, cs lb. .60 - .61
shipment, cs lb. .54 - .55
West Indian, bgs lb. .37 - .37½
futures lb. .38 - .39
Nux vomica, bls. lb. .10 - .12
powdered, bbls., bxs lb .13 - .14

O

Oakbark extract, 25% tannin, bbls., c.l. works lb. No stocks
Octane, 100°-140° C. industrial grade, group 3, dms., c.l gal. .19 - —
t.c.l gal. .21 - .60
truks gal. .15½ - —
10°C., b.r. Bayonne, N.J., tanks gal. .17 - —
Octanol, normal, tech., dms., c.l., dlvd lb. .34½ - —
t.c.l. dlvd lb. .36½ - —
tanks, dlvd lb. .32 - —
Octyl methacrylate, normal, dms., less than truckload, works, lb. .83 - —

Methylene Blue—Octyl Methacrylate



NICOTINIC ACID
NICOTINAMIDE
and Nicotinamide Hydrochloride

Calco

Nicotinic Acid and Nicotinamide are members of the Vitamin B Complex, sometimes described as Vitamin PP, and are recognized as specific in the prevention and treatment of pellagra. Both play an important role in carbohydrate metabolism. It is believed they are closely associated with other deficiency states of the Vitamin B Complex. Almost a universal practice is to include Nicotinic Acid or Nicotinamide in Vitamin B Complex products and multi-vitamin preparations.

Nicotinamide Hydrochloride is a white crystalline powder with a strongly acid reaction. The latter characteristic offers advantage in some pharmaceutical preparations.

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(powder, crystal, micro crystal)
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Sodium Sulfapyridine
Sulfabenzamide
(powder, micro crystal and Calcomites)
Sodium Sulfabenzamide
Aminoacetic Acid N.F.
Calcium Pantothenate (Dextro)
Choline Chloride
Choline Citrate, Tri
Choline Dihydrogen Citrate
Choline Bitartrate
Cinchophen N.F.
(and sodium salt)
Folic Acid
Neocinchophen U.S.P.
Methylene Blue U.S.P.
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Para Aminosalicylic Acid
(and sodium salt)
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(regular and drench grades for veterinary use)
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Pyridoxine HCl
Riboflavin U. S. P.
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*In keeping with long-established policy, the above products are offered to ethical Pharmaceutical and Veterinary Manufacturers only.

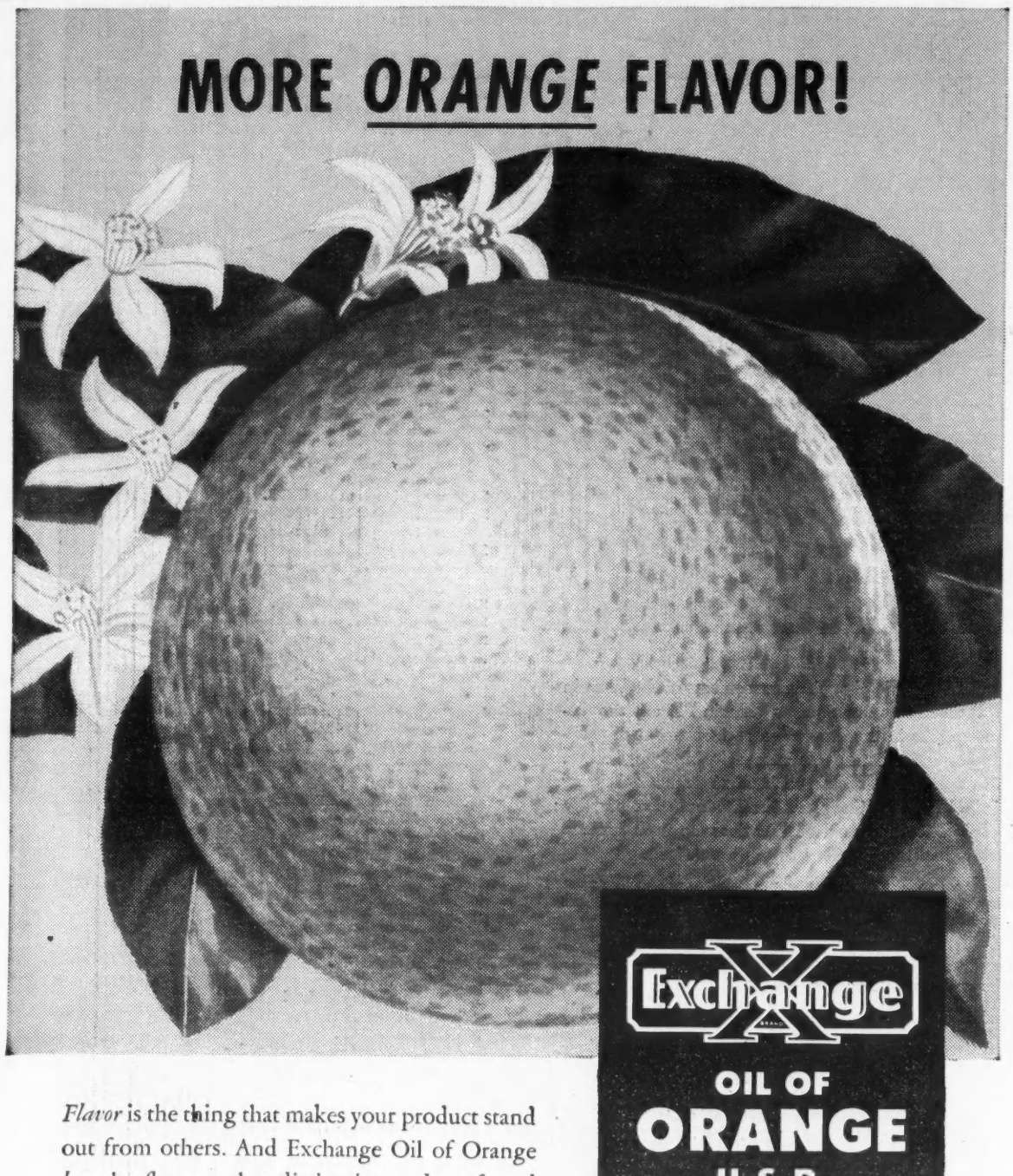
PHARMACEUTICAL DEPARTMENT · CALCO CHEMICAL DIVISION

AMERICAN Cyanamid COMPANY

BOUND BROOK, N. J.

Oil, Abies Siberica—Oil, Rue

Oil, abies siberica, cns	lb.	2.95	- 3.50
Almond, artificial, bitter, (see Benzaldehyde)			
natural, bitter, F.P.A., bots	lb	3.25	- 5.00
NF, bots	lb.	3.00	- 3.75
sweet, dms., cns	lb.	.50	- .85
Allspice (see Oil, pimento).			
Amyris, dms	lb.	1.65	- 1.70
Angelica root, bots	lb.	125.00	-190.00
seed, bots	lb.	110.00	-130.00
Anilin (see A).			
Anise, USP, Chinese, dms	lb.	1.25	- 1.60
Apricot kernels, USP, dms	lb.	.42½-	.58
Avocado, cns., dms	lb.	1.00	1.10
Babassu, crude, tankcars	lb.	.19¼-	—
Bay, NF, Puerto Rican, 50-55%, cns	lb.	1.05	- 1.50
55-60%, cns	lb.	1.20	- 1.50
West Indian, 50-55%, cns., dms	lb.	1.12	- 1.15
Bergamot, artif., cns	lb.	1.50	- 3.50
natural, NF, Italian, cns	lb.	4.85	- 5.60
Birchtar, crude, cns	lb.	1.10	- —
rectified, NF, cns	lb.	4.35	- —
Bois de rose, Brazil	lb.	3.50	- 3.90
Mexican (see Oil, lignaloe wood)			
Bone, dms., works	gal.	.65	- .70
Cajeput, tech., dms	lb.	1.85	- 1.95
redistilled, USP, cns	lb.	2.35	- 4.50
Calamus, cns	lb.	20.00	-28.00
Camphor, sassafrassy, dms	lb.	.17	- .60
white, dms	lb.	.22	- .63
Cananga, native, cns	lb.	4.25	- 4.80
rectified, cns	lb.	5.10	- 6.00
Capsicum (see Capsicum oleoresin).			
Caraway, NF, cns	lb.	3.70	- 4.10
Cardamom, NF, bots	lb.	50.00	-63.00
Cassia, USP, cns	lb.	3.50	- 4.75
Oil, castor, blown, dms., c.l	lb.	.2250-	—
dms., l.c.l	lb.	.22	- —
dehydrated, bodied, dms., c.l	lb.	.2425-	—
l.c.l.	lb.	.24¾-	—
tanks	lb.	.2325-	—
unbodied, dms., c.l	lb.	.2325-	—
l.c.l.	lb.	.2375-	—
tanks	lb.	.22	- —
hydrogenated, dms., l.c.l	lb.	.2925-	—
No. 3, tech., dms., c.l	lb.	.2025-	—
l.c.l.	lb.	.2075-	—
tanks	lb.	.1925-	—
Sulphonated, 50% (48% fat), dms.	lb.	.12	- .14
75% (60-62% fat), dms	lb.	.15¾-	.16¾
tech., No. 1, Brazilian, tanks	lb.	.18¾	Nom.
USP, standard, dms., c.l	lb.	.2050-	—
l.c.l.	lb.	.21	- —
tanks	lb.	.1950-	—
refined and deodorized, dms., c.l.	lb.	.2175-	—
l.c.l.	lb.	.2250-	—
Cedarleaf, dms	lb.	2.10	- 2.40
Cedarwood, cns	lb.	.35	- .50
dms.	lb.	.30	- .40
Celeryseed, bots	lb.	16.00	-17.50
Chamomile, blue, Hungarian, bots.	lb.	250.00	-280.00
Chaulmoogra, NF, cns., dms	lb.	.55	- .70
Chinawood (see Oil, tung).			
Cinnamon bark, USP, bots	lb.	25.00	-60.00
Leaf, Ceylon	lb.	1.35	- 1.50
Citronella, Ceylon, cns	lb.	1.20	- 1.65
Java, cns	lb.	1.80	- 2.20
Clove, USP, from buds, cns., dms	lb.	1.80	- 2.35
Coconut, crude, tanks, Atlantic ports	lb.	.16¾-	—
Pac. Coast	lb.	.16½-	—
Oil, coconut, refined, Cochin type, tax incl., dms., l.c.l.	lb.	.24½-	—
deodorized, tax incl., dms., l.c.l.	lb.	.26½-	—
Cod, Newfoundland, dms	lb.	.10	Nom.
Codliver, USP, dms	gal.	1.45	- 1.55
Coriander, USP, bots	lb.	22.00	-26.50
Corn, crude, tanks, works	lb.	.18	- —
foots, acid, 95%, tanks dlvd. E	lb.	.07½-	—
raw, 50%, tanks, dlvd., E	lb.	.02½-	—
refined, dms., New York	lb.	.26	Nom.
tanks, same basis	lb.	.23	Nom.
Costus, bots	oz.	21.00	- —
Cottonseed, crude, tanks, Southeast and Valley	lb.	.16¾-	—
foots, acid 95%, tanks dlvd. E	lb.	.06	- —
raw, 50%, tanks, dvld. E	lb.	.02½-	—
refined, dms	lb.	.23½	Nom.
tankcars	lb.	.23½	Nom.
Creosote (see Crotonic, coaltar).			
Croton, cns	lb.	4.75	- 5.50
Crude (see Petroleum crude).			
Cubeb, cns	lb	6.00	- 7.50
Cumin, bots	lb.	4.50	- —
Cypress, bots	lb.	No stocks.	
Degras (see D).			
Dillseed, India, bots	lb	6.25	- 7.75
Dillweed, domestic, bots., dms	lb.	4.90	- 6.00
Dip (see D).			
Erigeron, cns	lb	5.75	- 6.00
Eucalyptus, rectified, 80-85%, cns.	lb.	.72	- 1.28
70-75%, cns	lb.	.60	- .88
Fennel, USP, cns	lb.	2.45	- 3.25
Fir, Canada, cns	lb.	1.75	- 2.15
Fishliver, crude, for feeds for centrating, 6,000 to 12,000 A units, dms	1,000,000 units.	.09	- —
15,000 to 20,000 A units, dms.	1,000,000 units.	.09½-	—
Oil, fishliver, crude, for feeds, 25,000 to 35,000 A units, dms.	1,000,000 units.	.10	- —
40,000 to 55,000 A units, dms.	1,000,000 units.	.10½-	—
Market prices on crude fishliver oil dependent upon conversion factor			
prime, natural, or concentrate, 100,000 A units, dms	1,000,000 units.	.15	- —
200,000 A units, dms	1,000,000 units.	.16	- —
300,000 A units, dms	1,000,000 units.	.16	- —
400,000 A units, dms	1,000,000 units.	.17	- —
500,000 A units, dms	1,000,000 units.	.17	- —
700,000 A units, dms	1,000,000 units.	.17	- —
Prices above are based on the USP XIII method of conversion. E x 1894.			
100,000 A units, dms	1,000,000 units.	.16	- —
200,000 A units, dms	1,000,000 units.	.17	- —
300,000 A units, dms	1,000,000 units.	.17	- —
400,000 A units, dms	1,000,000 units.	.18	- —
500,000 A units, dms	1,000,000 units.	.18	- —
700,000 A units, dms	1,000,000 units.	.18	- —
Prices above are based on the USP XIV method of conversion, Morton-Stubbs Corrected E x 1900.			
Fuel (see Petroleum fuel oil).			
Fusel (see F).			
Garlic, pure, bots	oz.	7.25	- 8.00
Gaultheria (see Oil, wintergreen).			
Geranium, Algerian, cns	lb.	20.00	-23.00
Bourbon, cns	lb.	22.00	-26.00
Turkish (see Oil, palmarosa)			
Ginger, dist., bots	lb.	22.00	-24.00
Grapefruit, dist., bots	lb.	.70	- .90
Grease, No. 1, dms	lb.	.14½-	.14¾
extra, Winter, strained, dms	lb.	.15¾-	.16¼
prime, burning, dms	lb.	.16¾-	.17¼
Guaiacwood, cns	lb.	1.75	- 1.90
Hemlock, cns	lb.	1.80	- 2.10
Herring, crude, tanks, Pac. coast,	lb.	No prices.	
Juniper berry, NF VIII, bots	lb.	2.50	- 3.50
twice rectified	lb.	3.50	- 7.00
Tar, USP (see Juniper tar).			
Wood, tech., cns	lb.	.65	- 1.00
Lard (see Oil, grease).			
Laurel, bots	lb	9.75	-12.50
Lavandin, cns	lb.	2.00	- 2.50
Lavender flower, French, 30-32% ester, cns	lb.	2.25	- 3.50
38-42% ester, cns	lb.	3.60	- 4.60
40-42% ester, cns	lb.	4.00	- 5.25
Spike, Spanish, cns	lb.	1.25	- 1.70
Lemon, USP, Calif., cns., dms	lb.	3.35	- 3.75
Messina	lb.	3.60	- 6.50
terpeneless, bots.	lb.	32.00	-65.00
Lemongrass, cns., dms	lb.	2.30	- 2.80
Lignaloe, Brazilian (see Oil, bois de rose).			
wood, Mexican, cns	lb.	3.50	- —
Lime, distilled, Mexican, cns	lb.	6.00	- 7.00
West Indian, cns	lb.	6.25	- 7.25
expressed, West Indian, cns	lb.	7.25	-13.75
terpeneless, bot	lb.	45.00	-65.00
Linseed, raw, dms., c.l., Zone 3.	lb.	.1900-	—
l.c.l.	lb.	.1960-	.2000
tankcars	lb.	.1780-	—
tankwagon	lb.	.1810-	—
Boiled linseed oil .007 higher than raw.			
Mace, dist., cns., dms	lb.	3.30	- 4.75
Mandarin, Floridian, dms	lb.	1.60	- 1.75
Italian, cns.	lb.	4.80	- 8.50
Menhaden, crude, tanks, Balto.	lb.	.10	Nom.
refined, alkali, dms	lb.	.1580-	—
kettle-bodied, dms	lb.	.1680-	—
light-pressed, dms	lb.	.1480-	—
tanks	lb.	.1300-	—
Mineral, white (see Oil, white, mineral).			
Mirbane (see Nitrobenzene)			
Mustard seed, expressed, dms	lb.	.22½-	.23¼
synthetic, cns., dms	lb	1.40	1.70
Neatsfoot, 15°, dms	lb.	.32	- —
20°, dms.	lb.	.30	- —
30°, dms.	lb.	.26	- —
Neroli, NF, French, bots	oz.	125.00	-195.00
Haitian, bots	lb.	85.00	-90.00
Niaouli, cns.	lb.	1.95	- 3.00
Nutmeg, USP, dist., East Indian, cns., dms	lb.	3.30	- 3.75
West Indian, cns., dms	lb.	3.30	- 3.60
Ocotea cymbarum, dms	lb.	.68	- .90
Oiticica, liquid, drums	lb.	.21½-	.22
tankcars	lb.	.20½-	—
Oleo, extra, dms	lb.	.17½	Nom.
Olibanum, bots	lb.	5.50	7.65
extra fine, bots	lb.	8.00	- —
Olive, commercial, dms	gal.	No stocks.	
edible, dms., duty paid	gal.	2.90	- 3.00
foots, dms.	lb.	.14½-	.15
Orange, sweet, dist., cns	lb.	.40	- .60
expressed, USP, Brazilian, cns., dms	lb.	.95	- 1.25
Calif., cns	lb.	.80	- 1.25
Florida, cns., dms	lb.	.75	- 1.00
Messina, coppers	lb.	2.90	- 5.50
West Indian, cns	lb.	2.50	- 3.15
sesquiterpeneless, bots	lb.	55.00	-95.00
Origanum, Spanish, cs	lb.	2.30	- 2.75
Palm, Congo, dms	lb.	.1420-	—
tankcars	lb	No stocks.	
Palmarosa, cns	lb.	7.10	-10.50
Palmkernel, crude, bulk, c.i.f. NY	lb.	No prices.	
Paraffin, pale, 100-110 vis. at 100° F, tanks, East Coast refinery	gal	11½	—
Patchouli, dms.	lb.	20.00	-24.00
Peach kernel, USP (see Oil, apricot kernel).			
Peanut, crude, tanks, Southeast	lb.	.21	- —
refined, dms	lb.	.27	Nom.
tanks, New York	lb.	.25	Nom.
Pennyroyal, USP, dom., cns	lb.	No stocks.	
imported, cns	lb.	5.15	- 5.75
Peppermint, natural, dms	lb.	5.75	- 7.25
redist., USP, dms	lb.	6.25	- 7.65
Persic, USP (see Oil, apricot kernel)			
Perilla, crude, dms	lb.	No stocks.	
Petitgrain, Paraguay, cns	lb.	2.00	- 2.55
Pimento berry, NF, dms	lb.	4.00	- 5.75
leaf, cns	lb.	1.50	- 1.70
Pine, dest.-dist., dms., incl., c.l., works, South	gal.	.64	- —
l.c.l., works, South	gal.	.65	- —
ex whse., N.Y.C.	lb.	.76	- —
steam-dist., dms., ex whse., nonret. dms., incl., l.c.l., ex whse., N.Y.C	lb.	.107	- —
Pineneedle, Siberian (See Oil, abies siberica).			
Pitty petroleum, dms., c.l., dlvd.	lb.	.11	- —
l.c.l., same basis	lb.	.12	- —
tanks, same basis	lb.	.10	- —
Rapeseed, tankcars	lb.	.17½	Nom.
Red, saponified, dms	lb.	.16¾-	.18
tanks	lb.	.15¾-	—
single dist., dms	lb.	.17½-	.18¾
tanks	lb.	.16	- —
double dist., dms	lb.	.20	- .21¼
tanks	lb.	.18½-	—
Rice bran, clarif., dms	lb.	No stocks.	
Rose, natural, Bulgarian, bots	oz.	26.00	-60.00
Rosemary, Spanish, tech., cns., dms	lb.	.80	- 1.50
USP, cns., dms	lb.	.85	- 1.20
Rue, bots	lb.	3.00	- 3.25



Flavor is the thing that makes your product stand out from others. And Exchange Oil of Orange *has* the flavor...that distinctive and preferred taste unique to oranges grown in the sunny, sheltered valleys of California.

Try Exchange Oil of Orange for yourself. Give it all your tests for *quality, uniformity* and *strength.* You'll like it...and you'll buy it!

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PRODUCTS DEPARTMENT, ONTARIO, CALIF.
Producing Plant:
The Exchange Orange Products Co., Ontario, Calif.

Oil, safflower, dms., l.c.l. lb. .1825- —
tanks lb. .1550 Nom.
Sage, clary, bots lb. 12.25 -19.00
Dalmatian, cns lb. 8.00 - 8.50
Spanish, cns lb. .95 - 2.00
Sandalwood, NF, cns lb. 12.00 -12.50
Sardine, crude, tanks, Pac. coast. lb. .09½- —
refined, alkali, dms lb. .1580- —
kettle-bodied, dms lb. .1680- —
light-pressed, dms lb. .1480- —
tanks lb. .13 - —
Sassafras, artificial lb. .52 - .78
natural Brazilian (see Oil, ocotea cymbarum).
domestic, USP, cns., dms lb. 1.95 - 2.50
Savin, cns lb. 2.75 3.00
Savory, cns lb 8.00 —
Seal, 2% acid duty extra, dms lb. No stocks.
Sesame, ref., dms., t.c.l. lb. .31 —
Shingle stain bbls., c.l., works, gal. .27 - —
l.c.l., works gal. .30 - —
tanks, works gal .19 — —
Snakeroot, Canada, cns lb. 18.75 -26.00
Soybean, crude, tanks, mills lb. .15 - —
foots, acid, 93%, tanks, dlvd. E lb. .08 - —
raw, 50%, tanks, dlvd. E lb. .03½- —
refined, alkali, dms., c.l. lb. .1775- —
l.c.l. lb. .1835- .1900
tanks lb. .1655- —
clarified, dms., c.l. lb. .1680- —
l.c.l. lb. .1745- .1805
tanks lb. .1565- —
edible, dms lb. .20½ Nom.
tanks lb. .19 Nom.
Spearmint, USP, dms lb. 3.50 - 4.50
Sperm, bleached, winter, 45°, dms lb. .1520- .1570
tankcars lb. .1420- —
natural, winter, 45° dms lb. .14 .1470
tankcars lb. .13 - —
Spruce, cns., dms lb. 1.80 - 2.10
Sunflower-seed, imp., refined, tanks lb No prices.
semi-refined tanks lb No prices.
Sweet birch, USP, Northern, cns. lb. 4.75 - 8.00
Southern, cns lb. 2.05 - 3.75
Tall, crude, tanks, works ton. 40.00 - —
refined, dms., c.l. works lb 06 - —
l.c.l., works lb. .06¼- —
tanks, works lb 05 - —
Tallow, acidless, dms lb. .15 - .15½
Tansy, dms. lb. 7.75 - 9.00
Tar, pine, coml, dms., incl., c.l., works, South lb. .4875- —
l.c.l., works, South lb. .5110- —
whse., N.Y.C. lb. .6550- —
tanks, works, South lb. .3875- —
rectified NF, l.c.l., dms., incl., works, South gal. .60 - —
Tar acid (see P)
Teaseed, dms. lb. No stocks.
Theobroma (see Cocoa butter)
Thyme, NF, red, cns., dms lb. 1.65 - 2.45
white, cns lb. 1.85 - 2.85
technical white, cns lb. .40 5.00
Tung, dom., tanks, mills lb. .24½ Nom.
imported, dms., c.l. lb. .26½- —
l.c.l. lb. .26½- .27
tanks lb. .25½- —
Turkey red (see Oil, castor, sulphonated)
Turpentine, NF, cns., dms lb. .21 - .35
Vetiver, Bourbon, cns lb. 20.00 -24.00
Haitian, cns lb. 13.00 -17.00
Java, cns lb. 22.00 - —
Whale, ref., natural, dms lb. No stocks.
Winter-bleached dms lb No stocks.
Wheat germ 5-gal dms gal. 10.00 -13.00
White mineral, tech., 50-65 vis., dms., c.l., N. Y. gal. .48½- .51
l.c.l., same basis gal. .54½- .60½
65-75 vis., dms., same basis. gal. .49½- .52
l.c.l., same basis gal. .55½- .61½
USP, 80-90 vis., dms., c.l., same basis gal. .50½- .53
125-135 vis., dms., c.l., same basis gal. .58½- .61
l.c.l., same basis gal. .64½- .70½
145-155 vis., dms., c.l., same basis gal. .65½- .67
l.c.l., same basis gal. .71½- .76½
175-185 vis., dms., c.l., same basis gal. .68½- .71½
l.c.l., same basis gal. .74½- .81
200-210 vis., dms., c.l., same basis gal. .71½- .73½
l.c.l., same basis gal. .77½- .83
335-345 vis., dms., c.l., same basis gal. .76 - .78½
l.c.l., same basis gal. .82 - .87
Wintergreen, USP, nat., Northern, cns lb. 7.15 -18.00
Southern, cns lb. 3.80 -19.50
synthetic (see Methyl salicylate).
Wood (see Oil, tung)
Wormseed, NF, cns lb. 4.50 - 5.00
Wormwood, cns. lb. 6.50 - 7.25
Ylang-ylang, Bourbon, bots lb. 12.00 -14.00
extra, bots lb. 17.00 -18.00
Madagascar, bots lb. 10.50 -10.75
Olein, crude (see Oil, red), white, low titre, dms lb. .20 - .21¼
tankcars lb. .18½- —
Oleostearin, bbls. lb. .14 Nom.
Olivine, aggregate c.l., mines ton. 7.00 9.50
crushed, 8 mesh bulk c.l. works ton. 10.00 —
paper bgs., c.l., works ton. 12.00 - —
Opium, USP, cns lb. 19.20 -19.45
gran., USP, cns. lb. 21.65 -21.90
powd. USP cns. lb. 21.65 -21.90
Orange cadmium lithopone bbls. frt. alld. E. of Rockies lb. 1.20 - —
Chrome, CP, bbls., dlvd. N. of Tenn and N. C., E. of Miss. R., includ. Davenport, Iowa, and N. C., E. of Minneapolis, Rock Island, St. Louis, St. Paul lb. .23 - —
Chrome orange prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport); 1¼c Miss., N. C., S. C., Tenn., Dallas and Ft. Worth, Tex., 1½c. El Paso, Tex.; 2c. Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago
Chrome dinitroanilin toner lb. 1.15 - —
Mineral, American, bbls., l.c.l., ship't point, frt. alld. lb. .1910- —
Molybdate lb. .40 - —
Persian, bbls lb 20 - .45
Orange flowers, nis lb 40 .45
Orange peel, bitter, Haitian, bis lb 13 .15
Sweet, bls lb. .15 - .18
Oregano, Mexican, bgs lb. .16½- .17
Portuguese, bgs lb. .16½- .17
Sicilian, bgs lb. .15½- .16
Orris root, Florentine, bls lb. .18 - .20
powdered, bbls., bxs lb. .23 - .24
Verona, bls lb. .15 - .18
powdered, bbls., bxs lb. .19 - .24
Orthochlorobiphenyl dms. c.l., works lb 32½- —
l.c.l., same basis lb. .33 - —
tanks, same basis lb 31 - —
Orthoanisidin, obls lb .80 - —
Orthochloroanilin, dms. 10,000 lbs. or more lb. 60 - —
smaller lots lb. 70 - —
Orthochloroparanitroanilin, dms., dlvd. lb. .66 - —
Orthochlorophenol, dms. c.l., frt. equald lb. .29 - —
l.c.l., same basis lb. .30 - —

Orthocresol, pure, 30° C, non-ret., dms., c.l., frt. equald lb. .178 - —
l.c.l., same basis lb. .181 - —
ret. dms., c.l., same basis lb. .165 - —
l.c.l., same basis lb. .168 - —
29° C, non-ret. dms., c.l., same basis lb. .168 - —
l.c.l., same basis lb. .171 - —
ret. dms., c.l., same basis lb. .155 - —
l.c.l., same basis lb. .158 - —
24-29° C, non-ret. dms., c.l., same basis lb. .148 - .158
l.c.l., same basis lb. .151 - .161
tanks, same basis lb. .135 - .145
Orthodichlorobenzene, dms. c.l., works, frt. alld. E. of Rockies lb. .09¼- .10¼
l.c.l., same basis lb. .10¼- .11¼
tanks, same basis lb. .07¾- .08¾
Orthoisopropyl N-phenylcarbamate (see IPC).
Orthoisopropylphenol dms. c.l lb 29 —
l.c.l. lb .30 —
tanks lb .28 —
Orthonitroanilin dms lb 56 .59
Orthonitrochlorobenzene dms lb. .18 .19
Orthonitrobiphenyl tech. dms. c.l., works lb. .14½- —
l.c.l., works lb. .15 - —
tanks, works lb. .13 - —
Orthonitroparachlorophenol cns lb 75 —
Orthonitrophenol, bbls., works lb. .85 - —
Orthonitrotoluene, dms., c.l., frt. alld. lb. .09 - —
l.c.l., frt. alld lb. .10 - —
tanks, frt. alld lb. .08 - —
Orthophenetidin dms works lb 90 —
Orthotoluidin, dms., c.l., works lb. .21 - —
l.c.l., same basis lb. .22 - —
tanks, same basis lb. .20 - —
Osage orange crystals, bbls. l.c.l lb .43½ —
extract, liquid, bbls. l.c.l lb 15½ —
Orthotolidin, (see Tolidine Base).
Ouabaine USP bots gram 3.00 4.00
Ox gall, conc. gran. bbls., dms., 5 lbs. and up lb 2.50 —

Oxyquinolin sulphate, cns., 100 lbs. works lb 4.25 —
smaller lots, works lb 4.40 4.51

P

Pancreas substance, assay 1:75 lb. 5.75 - 6.25
Pancreatin, USP lb 2.50 3.00
Panthenol, bots. works, frt adjust kilo 90.00 —
Papain, powd., NF, cs lb. 3.50 - 4.00
Papaverine, natural or synthetic, hydrochloride USP cns., 1,000-oz lots oz 5.00 —
smaller lots oz 5.05 5.20
Sulphate, cns oz 7.10 7.35
Paprika, Chilean, bgs lb. .29½ .30
Portuguese, bgs lb .39 .40
Spanish, bgs lb. .44 .50
Para-anisidin, dms works lb 80 —
Para-acetylaminobenzaldehyde thiosemicarbazone, dms. frt. adjusted lb. 17.50 -21.00
Parachlorophenol, dms. c.l., frt. equald lb. .29 - —
l.c.l., same basis lb. .30 - —
Parachloroanilin, dms. frt alld E. Miss lb 70 - —
Parachloro-orthonitroanilin, frt. alld. dms lb. .70 - —
Paracresol, 98%, dms., dlvd lb. .50 - —
Paracymene, dms. works, 50 gals. or more gal 2.50 —
smaller quantities gal 3.00 - —
Paradibromobenzene, bgs, 500-lb lots. lb. .45 - —
Paradichlorobenzene, dms. c.l., works lb. .12 - —
l.c.l., same basis lb. .14 - —

Oil, Safflower—Paraformaldehyde, 94-95%

Paraffin, crude, scale, white or yel low 119-121 ASTM, bbls., c.l. refinery lb No prices.
121-123 ASTM, bbls., c.l., ref'y lb. No prices.
126-128 ASTM, bbls., c.l., ref'y lb. No prices.
fully ref'd, slabs, 120-122 ASTM, loose, c.l., ref'y lb. .0635- —
122-124 ASTM, loose, c.l., ref'y. lb .0635- —
125-127 ASTM, loose, c.l., ref'd lb. .0635- —
128-130 ASTM, loose, c.l., ref'y lb. .0640- —
130-132 ASTM, loose, c.l., refy. lb. .0645- —
132-134 ASTM, loose, c.l., ref'y lb. .0660- —
Paraffin prices in bgs and ctns. 7 10c per lb. higher; 1,000 to 9,999 lbs. 2.7c per lb higher, and under 1,000 lbs. 3.7c per lb higher
Paraformaldehyde, 94-95%, powd., dms., c.l., dlvd N Y lb. .15½ .16¾
10,000 lbs to c.l., same basis. lb. .16½- .16¾
1,000-9,999 lbs. same basis lb. .17½ .17¾
less than 1,000 lbs., same basis lb. .19¼ .19¼
94-95%, powd., dms., c.l., works. lb. .13 - —
10,000 lbs. to c.l., same basis. lb. .14 - —
1,000-9,999 lbs., same basis. lb. .15 - —
less than 1,000 lbs., same lb. 135-137 ASTM, loose, c.l., ref'y lb. .0795- —
basis lb. .17 —

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"WHEN IT SMELLS BETTER—IT WILL SELL BETTER!"

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BRANCHES IN • BOSTON • PHILADELPHIA • LOS ANGELES • ST. LOUIS • DALLAS • CHICAGO • MONTREAL • TORONTO

Paraformaldehyde, 91-92%—Petroleum Solvent, Stoddard

Paraformaldehyde, 91-92% flake, fib, dms., c.l., works lb. .11 - —
10,000 lbs. to c.l., same basis, lb. .12 - —
1,000-9,999 lbs., same basis, lb. .13 - —
less than 1,000 lbs., same basis lb. .15 - —

Quotations on 91-92%, flake paraformaldehyde in the New York metropolitan area are on a delivered basis, 2½c. per lb. higher than works prices.

Paraldehyde, tech., 98% 55 gals., dms., l.c.l., works lb. .12½- .13¼
5-10-gal. dms., l.c.l., works lb. .16½- —
tanks, works lb. .10½- —
USP, chys lb. .51 .53
Paranitroanilin, dms., c.l., works, frt. alld lb. .43½- —
l.c.l., frt. alld lb. .46½- —
Paranitrochlorobenzene, kgs. works, lb. .19 - .20
Paranitrophenol, kgs., works, frt. equald lb. .42 - —
Paranitrotoluene, kgs., frt. alld lb. .33 - —
Paraphenetidin dms., works lb. .80 - —
Paraphenylphenol, bgs., c.l., works, lb. .30½- —
l.c.l., same basis lb. .31½- —
Paraphenylenediamine, redistilled, dms., works lb. 2.05 - —
technical, refined, dms., same basis lb. 1.05 - 1.30
Paratertiarybutylphenol, bgs., c.l., frt. equald lb. .21 - —
l.c.l., same basis lb. .22 - —
Parathion, spray powder, 15%, tins, dealers lb. .72 - —
tech., dms., works lb. 1.50 - 2.50
Paratoluenesulphonamide, bbls., works lb. .70 - —
Paratoluidin, bbls., frt. alld lb. .61 - —

Pareira brava root, whole, bgs. lb. .30 - .31
ground, bxs lb. .35 - .37
powder, bxs lb. .38 - .40
Paris green, dealer, distributor, dms., dms., c.l., works, frt. alld. on 96 lbs. or over lb. .33 - .37
l.c.l., same basis lb. .34 - .66
Passion flower herb, bls lb. .35 - .40
Patchouli leaves, bls lb. No stocks.
Peanut meal, 45%, sacked, mills ton. 72.50 - —
Pectin, citrous, NF, powd., bbls lb. 2.05 - 2.06
tech., powd., bbls lb. 1.43 - 1.43
Penicillin, crystalline potassium, unlabeled, vials, 100,000 units vl. .102 - —
200,000 units vl. .15½- —
500,000 units vl. .28 - —
1,000,000 units vl. .52 - —
2,000,000 units vl. 1.00 - —
bulk, sterile, over 25,000,000,-000 unit lots 100,000 units. .04 - —
tablet grade, over 25,000,000,-000 unit lots 100,000 units. .03½- —
procaine, bulk, over 25,000,000,-000-unit lots 100,000 units. .04½- —
sodium, unlabeled, vials 100,000 units vl. .10¾- —
200,000 units vl. .16 - —
500,000 units vl. .30½- —
1,000,000 units vl. .57 - —
2,000,000 units vl. 1.03 - —
bulk, over 25,000,000,000 unit lots 100,000 units. .04½- —
Pennyroyal leaves, bls lb. .40 - .45
Pentachlorophenol, dms., c.l., works, frt. equald lb. .20 - —
l.c.l., same basis lb. .23 - .28
truckload, 20,000 lbs., min., same basis lb. .20¼- —

Pentaerythritol, tech., bgs., c.l., works lb. .29 - —
l.c.l., works lb. .31 - .33
Di and tri-isomers (see Dipentaerythritol and Tripentaerythritol).
Pentane, industrial, tanks, group 3, gal .10½- .11⅛
Pepper, black, bgs lb. 2.80 - 2.85
Aug. shipment, bgs lb. 1.75 - 1.80
Aug.-Sept. shipment, bgs lb. 1.70 - 1.75
Red, Carolina, longs, bgs lb. .38 - .39
Oct.-Nov. delivery, bgs lb. .36 - .37
Ethiopian, stemless, bgs lb. .32½- .33
Haitian, bgs. lb. .56 - .56½
Hontaka, bgs. lb. .58 - .58½
Louisiana longs, bgs lb. .38 - .38½
Mexican sports, bgs lb. .35 - .36
Mississippi sports, bgs., source lb. No stocks.
Nigerian, caps, bgs lb. .38 - .39
birdseye, bgs lb. .70 - .70½
Sierra Leone, bgs lb. .42 - .43
Sudanese, small, bgs lb. .42 - .43
Turkish, bgs lb. .24 - .25
White, afloat, bgs lb. 2.85 - 2.90
Peppermint, USP, dom., bls lb. .50 - .70
imported, bls lb. .80 - .90
Pepsin, NF bulk containers lb. 3.90 - —
Perchloroethylene, dms., c.l., or truckload, works, frt. equald. lb. .10¾- —
l.c.l., same basis lb. .11½- —
tanks, same basis lb. .10¼- —
Perchloroethylene, dms., c.l., dlvd. E lb. .11½- —
l.c.l., dlvd. E lb. .12 - —
tanks, dlvd. E lb. .10½- —
Peru balsam, dms lb. .90 - 1.15
Petrolatum, USP, white, lily, dms., lb. .05 - —
l.c.l., same basis lb. .05⅞- —
cream, dms., c.l., same basis lb. .06 - —
l.c.l., same basis lb. .07¼- —
extra, amber, dms., c.l., same basis lb. .05½- —
l.c.l., same basis lb. .05¾- —

Petrolatum, USP, white, lily, dms., c.l., same basis lb. .06⅜- —
l.c.l., same basis lb. .07⅜- —
snow, dms., c.l., same basis lb. .06⅞- —
l.c.l., same basis lb. .07⅜- —
soft, dms., c.l., same basis, lb. .06⅜- —
l.c.l., same basis lb. .07⅞- —
yellow, soft, dms., c.l., same basis lb. .06 - —
l.c.l., same basis lb. .06½- —
Petroleum, crude bulk, at wells, California bbl. 1.10 - 2.99
Illinois bbl. 2.44 - 2.87
Kentucky bbl. 2.42 - 2.83
Louisiana-Arkansas bbl. 2.08 - 2.90
Montana bbl. 1.28 - 2.775
Oklahoma-Kansas bbl. 2.16 - 2.65
Pennsylvania lower field bbl. 3.46 - —
Upper field bbl. 3.89 - —
Texas, East bbl. 2.65 - —
Gulf coast bbl. 2.38 - 2.95
North, North-Central bbl. 2.23 - 2.65
Panhandle bbl. 2.23 - 2.65
West bbl. 2.10 - 2.65
Wyoming bbl. 1.28 - 2.375
Ether, laboratory, 30°-60° C. 10-gal. cns., dlvd. E gal. 1.50 - —
dms., c.l., group 3 gal. .26 - —
l.c.l., same basis gal. .44 - —
35°-60° C. 10-gal. cns., dlvd. E. gal. 1.50 - —
dms., c.l., Group 3 gal. .26 - —
l.c.l., same basis gal. .44 - —
40°-75° C. 10-gal. cns., dlvd. E gal. 1.50 - —
dms., c.l., Group 3 gal. .26 - —
l.c.l., same basis gal .44 - —
90°-160° C. ref. dms., ex tax, f.o.b San Francisco gal. .57 - —
Fuel oil, bunker C, No. 6, California, heavy tanks, refinery bbl. 1.40 - 1.60
light, tanks, refinery bbl. 2.05 - 2.10
eastern, tanks, Albany, N Y bbl. 2.35 - —
Baltimore, Md. bbl. 2.18 - —
Boston, Mass. bbl. 2.20 - —
Charleston, S. C. bbl. 2.13 - —
Jacksonville, Fla. bbl. 2.02 - —
New York, N. Y. bbl. 2.05 - 2.10
Norfolk, Va. bbl. 2.18 - —
Philadelphia, Pa. bbl. 2.18 - —
Portland, Me. bbl. 2.23 - —
Providence, R. I. bbl. 2.175 - —
Savannah, Ga bbl. 2.03 - —
Diesel, tanks, refinery, California gal. .095 - .10
Pennsylvania gal. .0875- .0925
Furnace, tanks, refinery, Arkansas, No. 2 gal. .0775- —
No. 3 gal. .07375- —
Bayonne, N. J., No. 2 gal. .081 - —
Group 3, No. 1 gal. .08 - .08625
No. 1, straw gal. .08 - .08625
No. 2, straw gal. .07375- .085
range gal. .08 - .0875
Pennsylvania, western, No. 1 gal. .095 - .09625
No. 2 gal. .09 - .095
No. 3 gal. .09 - .0925
Lacquer diluent, California, 170-225 F. b.r., tanks, ex tax, f.o.b. Los Angeles gal. .147 - —
255 F, b.r., tanks, ex-tax, Portland, Ore gal. .158 - —
San Francisco gal. .152 - —
Seattle, Wash gal. .158 - —
East coast, tanks, N. J. and N. Y. refinery gal. .17 - —
group 3, benzol-type, tanks, refinery gal. .12625- —
toluol-type, tanks, refinery. gal. .11625- .11875
Mineral spirits, California, 170-255 b.r., tanks, ex tax, f.o.b. San Francisco gal. .152 - —
205-295 b.r., tanks, same basis gal. .152 - —
245-360 b.r., tanks, same basis gal. .152 - —
305-362 b.r., tanks, same basis gal. .142 - —
312-400 b.r., tanks, same basis gal. .142 - —
360-455 b.r., tanks, same basis gal. .152 - —
East coast, tanks, N J. N Y., refinery gal. .15 - —
group 3, tanks gal. .10375- —
tankwagon, Baltimore gal. .18½- —
Boston gal. .17 - —
Buffalo gal. .17½- —
Newark gal. .16 - —
New York gal. .16 - —
Philadelphia gal. .15 - —
Pittsburgh gal. .18 - —
Providence gal. .17½- —
Rochester gal. .19 - —
Syracuse gal. .20 - —
Washington, D C. gal. .18½- —
Naphtha, cleaners, East Coast, tanks, N.J., N.Y., refinery. gal. .15 - —
Group 3, tanks gal. .11375- —
tankwagon, Newark gal. .15½- —
New York gal. .16 - —
Philadelphia gal. .15 - —
high-flash, 140° F, group 3, refinery, tanks gal. .13 - .145
200-285 b.r., 37-38° C., mixed anilin pt., tanks, refinery or terminal gal. .21½- .23
25-26° C., m.a.p., tanks, same basis gal. .19½- .26
270-370 b.r., 78-81° C., m.a.p., tanks, same basis gal. .25 - —
49° C., m.a.p., tanks, same basis gal. .28½- —
26-27° C., m.a.p., tanks, same basis gal. .19½- .26¼
300-400 b.r., 28-32° C., m.a.p., tanks, same basis gal. .19½- .28½
340-410 b.r., 27° C., m.a.p., tanks, same basis gal. .31 - —
32° C., m.a.p., tanks, same basis gal. .19½- —
36° C., m.a.p., tanks, same basis gal. .20½- —
340-440 b.r., 32° C., m.a.p., tanks, same basis gal. .27¾- .29
360-480 b.r., 25° C., m.a.p., tanks, same basis gal. .19½- —
V.M.&P., tanks, ref'y, California, 245-360 b.r., Los Angeles. gal. .147 - —
Portland, Ore gal .158 - —
San Francisco gal. .152 - —
Seattle, Wash. gal. .158 - —
East coast, N. J., N. Y., tanks gal. .16 - —
Group 3, tanks gal. .11375- .11625
tankwagon, Boston gal. .18½- —
Newark gal. .17½- —
New York gal. .17½- —
Philadelphia gal. .17 - —
Pittsburgh gal. .19 - —
Solvent, rubber, California, tanks, ex tax, San Francisco gal. .152 - —
East coast, N. J., N. Y., gal. .16 - —
Group 3, tanks gal. .11375- —
Pennsylvania, western, tanks gal. .1225- —
Stoddard, California, tankwagon, ex-tax, Los Angeles gal. .157 - .195
East coast, N. J. N. Y., tanks gal. .15 - —
Group 3, tanks gal. .10875- —

IMPORTANT NOTICE

to Anyone Developing or Improving a Product

Perhaps that new product calls for the use of white mineral oils, petrolatums or petroleum sulfonates.

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Sonneborn

Leads through Research

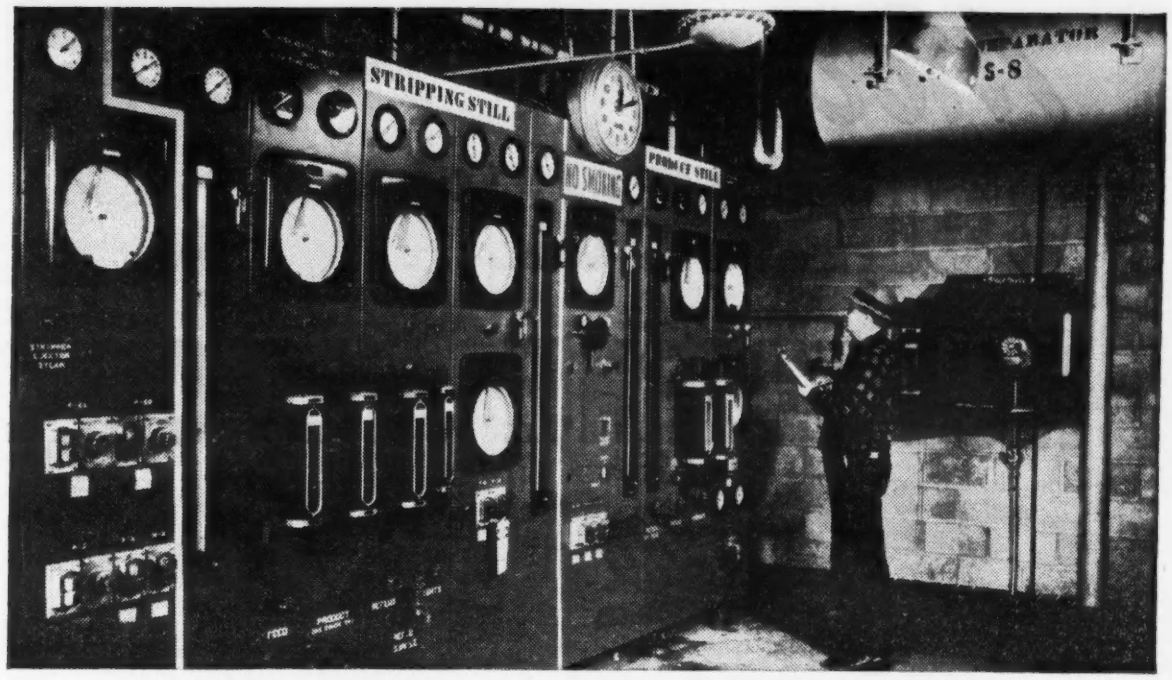
WHITE OILS • PETROLATUMS • PETROLEUM SULFONATES

Petroleum solvent, stoddard, tank-wagon, Boston..gal. .17 - —
Newark ..gal. .16 - —
New York ..gal. .16 - —
Philadelphia ..gal. .14 - —
Pittsburgh ..gal. .18 - —
Syracuse ..gal. .20 - —
Sulphonate, 60-62% sulphonic content, ret dms. c.l., works, lb. .15¾ - —
l.c.l., works .. lb. .16¼ - —
tanks, works .. lb. .14¼ - —
50-55% sulphonic content, ret. dms., c.l., works lb. .13¾ - —
l.c.l., works .. lb. .14¼ - —
tanks, works .. lb. .12¼ - —
Phenobarbital, USP dms., 100 lbs. lb 4.00 4.35
Phenobarbital-sodium, USP dms lb. 4.00 4.10
Phenol, 90-92% (cresol, 8-10%), dms., c.l., frt. alld. and frt. equald. E. of Rockies. lb. .1650- —
l.c.l., same basis..lb. .1725- —
tanks, same basis..lb. .1473- —
82-84% (cresol, 16-18%), dms., c.l., same basis..lb. .1650- —
l.c.l., same basis ..lb. .1725- —
tanks, same basis .. lb. .1475- —
USP, synthetic, dms., c.l., same basis lb. .17¼ - —
l.c.l., same basis..lb. .18 - —
tanks, same basis..lb. .15½ - —
tar distilled, dms c.l., same basis..lb. .17¼ - —
l.c.l., same basis..lb. .18 - —
tanks, same basis..lb. .15½ - —
Phenolphthalein USP or yellow bbls., dms., 2,000 lbs .. lb. 1.10 - —
smaller lots.. lb. 1.12 - 1.17
Phenothiazin NF fib. dms., 15,000 lbs. frt. adjusted lb. .44 - —
smaller lots, frt. adjusted lb. 46 - —
Phenylacetaldehyde solution, 50%, bots lb. 2.45 - 2.70
100%, bots .. lb 4.00 4.75
Phenylacetamide, 125-lb. dms., works, lb. lots lb. 1.25 - —
smaller dms.. lb. 1.30 - 1.60
Phenyl acetate, dms., 100-lb. lots, works lb. .50 - —
Salicylate (see Salol).
Phenylalanine dextro laevo, dms., works lb.30.00 -37.50
Phenyldiethanolamine, dms., c.l., works lb. .35½ - —
l.c.l., works .. lb. .35 - .36½
Phenylethanolamine, dms., c.l., works lb. .67½ - —
l.c.l., same basis... lb. .68½ - —
Phenylethyl acetate, dms .. lb. 1.35 - 1.83
Phenylethylphenyl acetate, bots. lb. 3.75 - 4.20
Phenylhydrazin base, CP, bots . lb. 3.00 - 3.07
Hydrochloride, commercial, kgs., works. lb. 1.75 - —
CP, bots., works.. lb. 5.12 - —
Phenylmethylpyrazolone (see Methylphenylpyrazolone).
Phloroglucinol, CP, fib. dms., works. lb.13.75 -15.75
commercial fib. dms., works.. lb. 5.50 - 7.00
tech., fib. dms., works.. lb. 9.65 -10.75
Phosgene, 150-lb cyls., works. lb. .20½ - —
Phosphate, defluorinated (see under D)
Phosphate rock, Curacao, Atlantic ports ton.35.00 - —
Florida, land pebble, run-of-mine, washed, dried, unground, 68-66%, b.p.l., bulk, c.l., car at mine long ton. 3.755 - —
70%-68%, b.p.l., c.l., same basis long ton. 4.155 - —
72%-70%, b.p.l., c.l., same basis long ton. 4.805 - —
75%-74%, b.p.l., c.l., same basis long ton. 5.805 - —
77%-78%, b.p.l., c.l., same basis long ton. 6.905 - —
finely ground, 65% b.p.l., basis 30% P_2O_5 minimum short ton. 4.92 - —
68%, b.p.l., basis 31% P_2O_5 minimum short ton. 5.28 - —
70%, b.p.l., basis 32% P_2O_5 minimum short ton. 5.83 - —
plus or minus usual bonus adjustment clause for oil and labor. Prices on entirely pebble, 50c. per long ton higher than above quotations
Tennessee, brown, run-of-mine, unground, 27-28% P_2O_5... long ton. 6.43 - —
30-29% P_2O_5 long ton. 7.21 - —
Phosphorus, red, amorphous, cs., works..lb. .42 - —
dms., works..lb. .39 - .40
Yellow, cas. ..lb. .30 - .37
dms., c.l. ..lb. .26 - —
Oxychloride, dms., works..lb. .13 - .16
Pentasulphide, dms., c.l., works lb. .11 - —
l.c.l., dms., works..lb. .12 - .13
Pentoxide, dms., c.l., works....lb. .12 - —
c.l., works ..lb. .13 - .14
Sesquisulphide, tins, cs., works. lb. .23 - .29
dms., export ..lb. .33½ - .36
Trichloride, dms., c.l., works..lb. .13 - —
l.c.l., works ..lb. .14 - .17
Phthalic anhydride, bgs., c.l., works, frt. equald..lb. .17½ - .19
l.c.l., same basis..lb. .18½ - .20
tanks, same basis..lb. .17 - .18½
Bbls. ½c. per pound higher.
Phthalimide, bbls., works ..lb. 1.10 - 1.37
Pichi leaves, bgs ..lb. .08 - .10
Picoline (see Alphapicoline and Betapicoline)
Pilocarpine hydrochloride, NF, bots., vials..oz. 5.25 - —
Nitrate, USP, bots., vials....oz. 5.20 - —
Pimento, Jamaica, bgs..lb. .23 - .23½
Pinetar, retort dms. incl., c.l., works, South..lb. .4875- —
l.c.l., same basis..lb. .5110- —
whse., N.Y.C. ..lb. .6350- —
tanks, works, South..lb. .3875- —
Pinkroot, bls. ..lb. 1.55 - 1.65
Piperidine, 95% dms. frt. equald. lb. 1.65 - —
98% dms., same basis lb 1.75 - —
Piperazine hexahydrate, bots...kilo12.50 -13.25
Pipsissewa herb (see Prince's pine).
Pitch, burgundy, dms. incl., 20 or more dms., works, South, 100 lbs. 7.16 - —
whse., N. Y. C ..100 lbs. 8.08 - —
5 to 19 dms., works, South .. 100 lbs. 7.36 - —
whse., N. Y. C ..100 lbs. 8.28 - —
1 to 4 dms., works, South .. 100 lbs. 7.61 - —
whse., N. Y. C..100 lbs. 8.53 - —
Coaltar, 150° F. m.p., bbls., c.l., works. ton.34.00 - —
l.c.l., works ..ton.36.00 -37.00
Cottonseed, dms., works..lb. .05 - .07
Hardwood, paper bgs., c.l., works, lb. .02 - —
Linseed, dms. ..lb. .06 Nom.
Petroleum (see Asphaltum, Mexican Texas).
Pine, dms., dms. inc., l.c.l., works, South..100 lbs. 3.75 - —
Soybean, dms., works ..lb. .04½ - .05
Plaster of paris (see Gypsum)
Platinum metal, works..oz.74.00 -77.00
Pokeroot, bls ..lb 13 - .14
Pleurisy root, bls ..lb .25 - .26
Podophyllin, NF dms..lb.12.45 - —

Polyoxyethylene sorbitan monostearate, dms., 20,000 lbs., works lb. .42 - —
10,000-20,000 lbs., works lb. .44 - —
smaller lots, works .. lb. .47 - .49
tristearate, dms., 20,000 lbs., works lb. .42 - —
10,000-20,000 lbs., works lb. .44 - —
smaller lots, works.. lb. .47 - .49
Polystyrene, colors, special, bgs., over 30,000 lbs., frt alld lb. .30 - .31
20,000-29,999 lbs. same basis lb. .31 - .31½
10,000-19,999 lbs., same basis lb. .31½ - .32
200-9,999 lbs., same basis lb. .32 - .32½
standard, bgs., over 30,000 lbs., same basis lb. .31 - —
20,000-29,999 lbs., same basis lb. .31 - —
10,000-19,999 lbs., same basis. lb. .31½ - —
200-9,999 lbs., same basis lb. .31½ - —
crystals, heat-resistant, bgs., over 30,000 lbs., same basis lb. .27 - .28½
20,000-29,999 lbs., same basis lb. .28 - .29½
10,000-19,999 lbs., same basis lb. .29 - .30½
200-9,999 lbs., same basis lb. .29 - .30½
standard, bgs., over 30,000 lbs., same basis lb. .27 - —
20,000-29,999 lbs., same basis lb. .28 - —
10,000-19,999 lbs., same basis lb. .29 - —
200-9,999 lbs., same basis lb. .29 - —
Polystyrene in non-returnable fiber dms., ½c. per lb higher.
Pomegranate root bark, bgs.....lb. .68 - .70

Poppy flowers, bls..lb. .50 - 1.05
Seed, Czech, bgs..lb. .17 Nom.
Dutch, bgs..lb. .23½ - .24
Polish, bgs..lb. .16 Nom.
Potash, caustic, low-chloride, flake, 85% basis 90% KOH, dms., c.l., works 100 lbs.10.00 - —
l.c.l., works ..100 lbs.10.75 - —
liquid, 45% dms., c.l., works, 100 lbs. 4.625 - —
l.c.l., works..100 lbs. 5.125 - —
tanks, works..100 lbs. 4.30 - —
solid, 90% dms., c.l., works, 100 lbs. 9.40 - —
l.c.l., works..100 lbs.10.15 - —
regular, flake, 88-92%, dms., c.l., works 100 lbs. 8.50 - —
l.c.l., works 100 lbs. 9.25 - —
liquid, 45% basis, dms., c.l., works 100 lbs. 3.875 - —
l.c.l., same basis 100 lbs. 4.65 - —
tanks, same basis..100 lbs. 3.55 - —
solid, 88-92%, dms., c.l., works, 100 lbs. 7.90 - —
l.c.l., same basis, works, 100 lbs. 8.65 - —
Potassium abietate, dms..lb. .08 - —
Acetate, dms ..lb. .31 - .36
Bicarbonate, USP, gran., dms lb. .20 - .22
powd., dms ..lb. .22 - .24
Bichromate, bgs., works..lb. .13¾ - .14¼
Potassium bichromate in drums, ¼c. higher.
Bitartrate (see Cream of tartar).
Borate, gran., bbls., c.l., works, ton.192.00 - —
ton lots, works ..ton.245.50 - —
less ton lots, works ..ton.250.50 - —
Bromate, bbls., 1,000 lbs. or more lb. .49 - —
25-200-lb. lots..lb. .61 - —
Bromide, USP, cryst., gran., bbls., kgs..lb. .34 - .37

Potassium carbonate, tech., calcined, bbls., c.l., works..100 lbs. 6.25 - —
l.c.l., same basis 100 lbs. 9.30 - —
hydrated, 83-85% bbls., c.l., works 100 lbs. 6.75 - —
dms., l.c.l., works 100 lbs. 7.50 - —
USP, gran., bbls. dms lb 16½ - .18
powd., bbls. dms ..lb. .21 - .23
Chromate, tech., bgs ..lb. .25 - .29
Chlorate, cryst., dms., c.l., works. lb. .089 - —
l.c.l., works ..lb. .0915-.1015
powd., dms., c.l., works..lb. .094 - —
l.c.l., works ..lb. .0965-.1063
export, drms., 1 to 10 tons, ex whse lb. .12 - —
NF, gran., dms lb .31 .33
Chloride, USP, cryst., dms...lb. .26 - .27
gran., bbls ..lb .20 .22
powd., bbls ..lb. .29 .32
Citrate, USP, gran., dms..lb. .37½ - .38¼
powder, dms ..lb. 40½ - .41¼
Cyanide, dms. works..lb. .52½ - .53
Fluoride, dms., works..lb. .24 - —
Gluconate, dms. ..lb. .73 - .79
Glycerophosphate, 75% solution, cbys lb 2.05 2.20
Guaiacol sulphonate, NF, dms..lb. 1.80 - 1.85
Hydroxide, tech. (see Potash, caustic).
USP, pellets, jars lb. .33 - —
Hypochlorite, liquid, cbys., dms., works 100 lbs. 3.50 - —
Hypophosphite, NF, ton lots and less, fib. dms lb. .90 - .93
Iodide, dms ... lb 1.93 - 1.98
Manure salt, 22% K_2O, bulk, mines unit-ton. .21 - —
Metabisulphite, gran., bbls.... lb. .21 - —
powd., bbls ..lb. .25 - —



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Potassium Muriate—Red, Iron Oxide

Potassium muriate, dom., 60% K_2O, bulk, Carlsbad, N.M. unit-ton. .40 • —
Trona, Cal. unit-ton. .48½- —
Nitrate (see Saltpeter).
Oxalate, neutral, tech., fine gran., bbls., dms. lb. .30 • .32
fine gran., bbls., dms. lb. .30 • .32
purified, dms. lb. .42 • .44
Perchlorate, dms., l.c.l. lb. .14 • .15
kgs., c.l., works lb. .13½- —
Permanganate, tech., dms., works, lb. .21¾- .22¾
USP, dms., works lb. .23½- .24
ex whse lb. .29 • —
Persulphate, dms., c.l., works lb. .17 • —
l.c.l., works lb. .21 • —
Phosphate, tetrabasic, bbls., wks. lb. .13 • .13½
Prussiate, red, kgs lb. .60 • .63
yellow, bbls lb. .21 • —
kegs lb. .26 • —
Ricinoleate, tech., bbls lb. .11 • —
Silicate, glass, bgs., c.l., works. ton.200.00 • —
l.c.l. 100 lbs.15.25 • —
solution, 29° Be, ret. dms., c.l., works 100 lbs. 4.25 • —
l.c.l., 5 or more dms., works 100 lbs. 5.00 • —
1-4, dms., works 100 lbs. 5.00 • —
62° Be, net, dms., c.l., works. 100 lbs. 4.75 • —
l.c.l., 5 or more dms., works 100 lbs. 5.50 • —
1-4, works, dms 100 lbs. 6.00 • —
40.5° Be, ret. dms., c.l., works. 100 lbs. 5.75 • —
l.c.l., 5 or more dms. 100 lbs. 6.50 • —
1-4, dms., works 100 lbs. 7.00 • —
Silicofluoride, bbls., works lb. .07 • .08
Potassium sulphate, agricultural, dom., bulk, basis 90-95% K_2SO_4, min., 90%, works. ton.34.50 • —
NF, cryst., bbls. lb. .31 • .33
gran., dms lb. .18½- —
powder, dms lb. .16 • .16½
Sulphocyanide, cryst., NF (see Potassium thiocyanate).
Thiocyanate, NF, cryst., dms. lb. .75 • .81
tech., works lb. .45 • .50
Titanate, ctns., c.l., works. lb. .12 • —
5 tons, works lb. .12¼- —
1 ton or less, works lb. .12½- .12¾
Potassium-magnesium sulphate, bulk, min., 40% K_2SO_4, 18-50% MGO, works ton.15.20 • —
Potassium-sodium tartrate (see Rochelle salt).
Potassium-titanium fluoride, fib. dms., works lb. .45 • .55
Potassium-titanium oxalate bbls., kgs lb. .65 • .70
Potassium-zirconium fluoride, fib. dms., c.l., works lb. .50 • —
l.c.l., works lb. .52½- .55
Pregnenolone gm. 4.00 • —
Acetate gm. 4.00 • —
Prickly ash bark, bls. lb. .23 • .25
Berries, bgs lb. .55 • .75
Prince's pine herb, bls lb. .45 • .50
Procaine hydrochloride, USP, dms., contract, 1,000 lbs. or more, works lb. 3.75 • 4.50
spot lb. 4.00 • 5.00
Progesterone, USP, 100 gms. gm. 4.50 • —
Propane, commercial grade, tanks, group 3 gal. .02¼- —
Propionaldehyde, dms., c.l., works lb. .28½- —
l.c.l., works lb. .29½- —
tanks, works lb. .25 • —
Propyl aldehyde (see Propionaldehyde)
Parahydroxybenzoate, USP, dms. lb. 2.30 • 2.40
Propylene dichloride, dms., c.l. lb. .08½- —
l.c.l. lb. .09½- —
smaller containers lb. .22½- —
tanks lb. .07 • —
Oxide, dms., c.l., frt. alld. E. lb. .18½- —
l.c.l., frt. alld. E lb. .19½- —
tanks, frt. alld. E lb. .16½- —
Propyleneglycol, NF, dms., c.l., frt. alld. E. lb. .17½- —
l.c.l., same basis lb. .18½- —
tanks, same basis lb. .16 • —
tech., dms., c.l., frt. alld. E lb. .16½- .17¾
l.c.l., same basis lb. .17½- .18¾
tanks, same basis lb. .15 • .16
Methylether, dms., c.l., frt. equald. lb. .18 • —
l.c.l., same basis lb. .18½- —
tanks, same basis lb. .16½- —
Propylthiouracil, bots., 50 kilos or more kilo.55.00 • —
smaller lots lb.55.10 • 55.30
Psyllium seed, black, bgs. lb. .17 Nom.
blonde, bgs lb. .23 • .24
husks, bgs lb. .65 • .66
Pulsatilla herb, bls lb. .45 • .50
Pumice, dom., grd. coarse, 0½, 1, 1½, 2, 3 bgs., ton lots. lb. .03½- .04
Chicago, bgs., ton lots. lb. .04½- —
smaller lots lb. .03⅞- .04¼
Italian, silk-screen, coarse, bgs., ton lots lb. .05½- —
fine, bgs., ton lots lb. .04 • —
sun dried, coarse, bgs., ton lots. lb. .02½- —
fine, bgs., ton lots lb. .02½- —
Pumice in bbls. is ½c. per lb. higher.
Pumpkin seed, bgs lb. .18 • .26
Purple lake (see Red).

Pyrethrum concentrate, dewaxed, 20%; for aerosol bombs, dms., works lb.11.00 -11.50
liquid (20 to 1), basis 2 grams pyrethrins, per 100cc., odorless base, dms., works gal. 9.50 • —
regular base, dms. works. gal. 9.40 • —
(30 to 1 base, 3 grams, pyrethrins, per 100cc, odorless base, bbls., works.gal.14.15 • —
regular base, dms., works. gal.14.05 • —
flowers, fine-grd., 0.9% pyrethrins, bbls., works lb. .42 • .44
powder, 1.3% pyrethrins, bbls., works lb. .56 • .65
Pyrethrin, synthetic (see Allethrin)
Pyridin, denaturing, dms., works, and frt. equald., c.l gal. 2.00 • 2.69
l.c.l gal. 2.00 • 2.72
refd., 2°, non ret. dms., c.l., same basis lb. .79½- —
l.c.l., same basis lb. .80 • —
Pyridoxine hydrochloride, 100-gram lots gram. .55 • —
Pyrites, Spanish, c.i.f. Atl. ports long-ton. 8.00 • —
Pyrocatchin (see Catechol)
Pyrophyllite, standard, 200 mesh, bulk, c.l., mines ton.11.00 -11.50
230 mesh, bulk, c.l., mines ton.12.00 -12.50
325 mesh, bulk, c.l., mines ton.15.00 • —
No. 3, 200 mesh, bulk, c.l. mines. ton. 9.50 • —
insecticide grade, 200 mesh, bgs., c.l., mines ton.12.00 -12.50
rubber grade 140 mesh, bgs., c.l., mines ton.10.00 -10.50
Pyrophyllite in paper bgs., $3 to $3.50 per ton extra.
Pyroxylin, USP, bots. lb. 9.54 • —
Scrap, opaque, amber, cs., works. lb. .17 • —
black, cs., works lb. .14 • —
gray, cs., works lb. .13 • —
mixed, mottled, cs., works.lb. .12 • —
white, china, ivory, cs., works. lb. .17 • —
dense, cs., works lb. .16 • —
translucent, pastels, cs., works, lb. .17 • —
transparent, colorless, cs. works. lb. .19 • —
colors, cs., works lb. .17 • —
shavings, opaque, amber, cs., works lb. .14 • —
mixed, colors, cs., works lb. .14 • —
white, cs., works lb. .17 • —

Q

Quassia chips, bls lb. .08 • .09
Quebracho extract, clarified, grd., 70% tannin, bgs., c.l., lb. .14¾- .15
liq., 35% tannin, bbls., works, lb. .06 • .06½
tanks, same basis lb. .07½- —
clarified, solid, 64% tannin, bgs., c.l., duty extra lb. .09 • —
powd., 70% tannin bgs., c.l lb. .15½- —
ordinary, solid, 63% tannin, bgs., c.l., ex-dock, duty extra lb. .08½- —
Quebracho extract prices are based on $20.40 freight and $1 insurance per long ton.
Queen of the meadow root, bgs lb. .14 • .15
Quercitron crystals, bbls., l.c.l. lb. .33½- —
Extract, liquid, bbls., l.c.l. lb. .14½- —
solid bxs lb. .28 • —
Quicksilver, flasks (76 lbs.) net, 1,000 flask lots, Sept.-Oct. arrival flask.75.50 -76.00
100 flask lots, same basis flask.79.00 • —
smaller lots flask.80.00 • —
Quince seed, bgs lb. .90 • 1.50
Quinidine, NF V, cryst., cns. oz. 1.90 • —
powd., precip., cns oz. 1.85 • —
Sulphate, USP, cns oz. 1.25 • —
Quinine, NF, cns., 100 ozs oz. .70 • —
Bisulphate, USP, cns., 100 ozs. oz. .51 • —
Dihydrochloride, USP oz. .70 • —
Ethylcarbonate, NF, cns., 100 ozs. oz. .75 • —
Hydrobromide, NF, cns., 50-oz. cns. oz. .63 • —
Hydrochloride, USP, cns., 100 ozs. oz. .63 • —
Phosphate, NF, cns., 100 ozs oz. .76 • —
Salicylate, NF, ctns., 100 ozs. oz. .66 • —
Sulphate, USP. cns., 100 ozs oz. .56½- —
Quinine-urea hydrochloride, NF, cns lb. .68 • —
Quinolin, dms., c.l., frt. equald. lb. .50¾- .51¼
l.c.l., same basis lb. .51¼- .51¾
tanks, same basis lb. .50 • —

R

R salt, paste, dry basis, dms., frt. alld. lb. .83 • —
Raspberries, dried, bbls lb. 1.60 • 1.70
Red, alizarin lake, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis. lb. 1.45 • 2.25
Prices ½c. per lb. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.), (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. per lb. higher, dlvd. Pacific coast prices equaled with Chicago, dlvd. Denver, Pueblo, Salt Lake City, Wichita.
Cadmium, CP, dark shade, bbls., frt. alld. E. of Rockies lb. 3.80 • —
light shade, bbls., same basis. lb. 3.65 • —
medium shade, bbls., same basis lb. 3.75 • —
medium-light shade, bbls., same basis lb. 3.70 • —
orange shade, bbls., same basis lb. 3.30 • —
lithopone, deep shade, bbls., same basis lb. 1.45 • —
light shade, bbls., same basis.lb. 1.30 • —
maroon shade, bbls., same basis lb. 1.55 • 1.65
medium shade, bbls., same basis lb. 1.40 • —
medium-light shade, bbls., same basis lb. 1.35 • —
orange-red shade, bbls., same basis lb. 1.25 • —
Red cadmium lithopone, all shades, in smaller pkgs., 5c. per lb. higher; all prices are 1c. per lb. higher ex whse. Los Angeles and San Francisco.
Carmine, No. 40 (see Carmine).
Crocus martis (see Red, maroon iron oxide).
Dyes (see Dyes, coaltar).
Eosin toner, bbls., works lb. 1.40 • —
Indian, dom., pure, bgs., Bethlehem, Easton, E. St. Louis, N. Y lb. .11¼- 11¾
Iron oxide, synth., bgs. lb. .11¾- .12
75%-85% copperas oxide, bgs., l.c.l., Bethlehem, Pa., Copley, O.; Easton, Pa.; E. St. Louis lb. .05¼- .09¼
special, high color, all shades lb. .60 • —

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Red, Lake C toner alizarin, bbls., works	lb.	1.05	—
Lithol toner, bbls., works	lb.	.65½	.80
Lithol-rubin toner, alizarin lake, bbls., works	lb.	1.40	—
Maroon, alizarin lake, 25%, kgs., works	lb.	.40	.43
toner, bbls., works	lb.	1.35	1.50
Cadmium, deep, bbls., works	lb.	1.20	—
regular, bbls., works	lb	1.10	—
Iron oxide, bgs., l.c.l., works	lb.	.04	—
MNP1 toner, kgs., works	lb.	3.25	—
Maroons in smaller pkgs., 5c. per lb higher.			
Mercury oxide, tech., bbls., 10,000 lbs., works	lb	2.00	—
smaller lots, works	lb	2.02	—
Metallic, bbls., works	lb.	.02½	.02¾
Oxide (see Red, iron oxide).			
Persian gulf, bgs., works	lb.	06¾	.07
Para toner, bbls	lb.	.69½	.80
chlorinated, kgs	lb.	.95	1.05
concentrated alizarin lake, kgs., works	lb	.80	—
Phloxin toner (see Red, eosin toner).			
Phosphotungstic, rhodamine Y, kgs., works	lb.	4.45	—
Pink lake, alizarin, bbls., works	lb.	.20	.25
Purple lake, kegs	lb.	1.35	—
Rose lake alizarin, bbls., works	lb.	.25	.28
Spanish oxide, grade 1, bbls., c.l., ex dock	lb.	.05½	.05¾
l.c.l., ex dock	lb	.05¾	.06
ex whse., New York	lb.	.06½	—
grade 2, bbls., c.l., ex dock	lb.	.05¼	.05½
l.c.l., ex dock	lb.	.05½	.05¾
ex whse., New York	lb.	.06¼	—
Toluidin toner (MNPT), kgs., works	lb.	1.01	1.30
Turkey, bbls., works	lb.	.14½	—
Tuscan, bbls., frt. equald	lb.	.24½	.25
Venetian, 15%, bgs., works	lb.	.0350	—
20%, bgs., works	lb.	.0360	—
25% bgs., works	lb.	.0410	—
30% bgs., works	lb.	.0440	—
35% bgs., works	lb.	.0465	—
40% bgs., works	lb	.0490	—
Vermilion, Amer., bbls	lb.	.32	—
Quicksilver, ctns	lb.	2.27	—
Red Precipitate, NF powd., fib. dms	lb.	2.19	2.21
Red saunders wood, powd., bbls	lb.	.50	—
Rennin, NF	lb.	6.50	—
Resorcinol, resin grade, dms., c.l., works	lb.	.71	—
l.c.l., works	lb.	.72	—
tech., dms., c.l., works	lb.	.74	—
l.c.l., works	lb.	.75	—
USP, cryst., dms., works	lb.	2.50	—
powd., dms., works	lb	2.70	—
Monoacetate, NF, dms	lb	3.25	3.45
Rhatany root, bgs	lb.	15	.16
Rhodinol, 5-lb. cns	lb.	42.00	45.00
Rhubarb root, China, whole, cs	lb.	.75	.80
powd., bbls	lb.	.85	.90
India, whole, bgs	lb.	.55	.60
powdered, bbls	lb.	.62	.67
Riboflavin, USP, bots., dlvd	kilo.	125.00	—
Readily soluble, bots., dlvd	kilo.	125.00	—
Rice bran concentrate, dms. Cedartown, Ga	lb.	.79	—
Rochelle salt, USP, gran., powd., dms., 5,000 lbs.	lb.	.28½	—
smaller lots	lb.	.29	.34
Rose flowers, pale, bls	lb.	35	.40
Rosemary flowers, bls	lb.	1.55	1.65
Leaves, French, bls	lb.	.12	.12½
Portuguese, bls	lb.	.07	.07½
Spanish, bls	lb.	.07¼	.07½
Rosin gum (see Naval Stores, Protective Coatings market).			
Wood, B, dms., c.l., works	100 lbs.	3.50	—
FF, dms., c.l., works	100 lbs.	5.00	—
G, H, I, dms., c.l., works	100 lbs.	6.15	—
K, dms., c.l., works	100 lbs.	6.15	—
M, dms., c.l., works	100 lbs.	6.15	—
N, dms., c.l., works	100 lbs.	6.20	—
WG, dms., c.l., works	100 lbs.	6.20	—
WW, dms., c.l., works	100 lbs.	6.30	—
X, dms., c.l., works	100 lbs.	6.40	—
Rotenone, CP, bbls., works	lb.	20.00	—
tech., works	lb.	16.50	—
Rottenstone, bgs., c.l., mines	ton.	36.00	—
l.c.l., mines	ton.	43.00	—
Rue herb bls	lb.	.35	.40
Rutin, 10 kilos, fib. dms	gram.	.03½	.04½
smaller lots, fib. dms	gram.	.04	.05
Ryania, 100% powd., bgs., works	lb.	.20	—

S

Sabadilla seed, powd., bbls	lb.	.70	—
activated ground with lime, bbls	lb.	.40	—
Saccharin, USP gran., soluble, dms., 1,000-lb. lots	lb.	1.50	—
smaller lots	lb.	1.60	1.70
powd., soluble insoluble, dms., 1,000-lb. lots	lb.	1.55	—
smaller lots	lb.	1.65	1.85
Safflower, Egyptian, bls	lb.	.75	.80
Saffron, Mexican, bls	lb.	.95	1.00
Spanish, USP, tins	lb.	17.50	18.00
Safrol, dms.	lb.	.85	1.10
Sage, Cyprus, bales	lb.	.12	.13
Dalmatian, bls	lb.	1.25	1.30
Greek, fancy, bls	lb.	.23	.25
Spanish, bls	lb.	.11	.12
Syrian, bls	lb.	.17	.17½
Sago flour, bgs	lb.	.07½	.07¾
Saligenin, ctns	lb.	14.00	25.00
Salol, NF, gran., bbls., kgs	lb.	1.00	—
fib. dms	lb.	1.02	1.03
powdered salol 10c. higher			
Salt, rock, burlap bgs., c.l.	100 lbs.	.98	—
l.c.l.	100 lbs.	1.19	1.22
paper bgs., c.l.	100 lbs.	.88	—
l.c.l.	100 lbs.	1.09	1.12
Table, vacuum, common, fine, bgs., c.l., works	100 lbs.	.98	1.08
l.c.l. dlvd.	100 lbs.	1.20	1.32
Saltcake, dom., bulk, works, 100% Na_2SO_4 basis	ton.	15.00	—
Saltpeter, cryst. obls., 10 tons.	100 lbs.	13.90	—
smaller lots	100 lbs.	14.15	14.40
gran., bbls., 20 tons	100 lbs.	9.25	—
smaller lots	100 lbs.	10.50	11.00
powd., bbls., 20 tons	100 lbs.	10.25	—
smaller lots	100 lbs.	11.50	12.00
NF, gran. dms	lb.	15¾	.17¾
Saltpeter in bags, 25c. per 100 lbs. less than in barrels; in kegs $1 more.			
Sandalwood chips, East Indies, bgs.,	lb.	.65	.66
powd., dms.	lb.	.75	76
Sanguinarine nitrate bots	oz.	4.75	5.50
Santonin, NF cryst., powd., cns.	kilo.	No stocks.	
Saponin No 1 cns	lb.	2.45	—
Sarsaparilla root, dom., bls	lb.	.30	.40
Honduras bls	lb	40	45
Mexican, bls	lb.	.30	.32
Sassafras bark ord., bls	lb	35	.40
select, bls	lb.	50	.55
Savory, French, bls	lb.	.11	.11½
Spanish, bls	lyb.	.10	.10½
Saw palmetto berries, bgs.	lb	23	24
Scammony resin, lump, cns	lb.	1.95	2.20
powd., cns.	lb.	2.05	2.30
Root, bgs	lb	11	.14
Schaeffer's salt, bgs., frt. alld	lb.	.73	—
Scopolamine hydrobromide, bots	oz.	16.00	17.00
Hydrochloride, bots	oz	84.00	—
Seidlitz mixture, bbls., 5,000 lbs.	lb.	.26¾	—
smaller lots	lb.	.27¼	—
dms., 100 lbs. or less	lb.	.28¼	.32½
Selenium, powd., cns., 10-lb lots	lb.	2.35	—
cs., 1,000-lb lots	lb.	2.25	—
Senega root, bls	lb.	1.80	1.90
Senna leaf, Alex., half-leaf, bls	lb.	.16	.18
sifting, bgs.	lb.	.16	.18
Tinnevelly, No. 1, bls	lb.	.20	.24
No. 2, bls	lb.	.16	.20
No. 3, bls	lb.	.12	.13
powdered, bls., bxs	lb.	.20	.24
Pods, bls	lb.	.12	.15
Serpentaria root, bls	lb.	2.20	Nom.
Sesame seed, Chinese, white, natural, afloat, bgs.	lb.	No prices	
hulled, bgs	lb.	.17½	.18
Nicaragua, hulled	lb.	.22	.25
natural, bgs	lb.	No prices	
Salvadorean	lb.	.13	Nom.
Shellac, bleached, bonedry, bgs., 1,500-lb. lots	lb.	.51½	—
bbls., 1,500-lb. lots	lb.	.52	—
kgs., 1,500-lb. lots	lb.	.54	—
refined, bgs., 1,500-lb. lots	lb.	.61½	—
bbls., 1,500-lb. lots	lb.	.62	—
kgs., 1,500-lb. lots	lb.	.64	—
Bonedry shellac prices for less than 1,500 lbs., 1c. per lb. higher for all packages.			
Lemon, No. 1, bgs	lb.	.50	.51
No. 2, bgs	lb.	.48	.49
Superfine, bgs., 10 bgs	lb.	.46	.47
TN, bgs., 10 bgs	lb.	.44	.45
Shellac in 1 to 9 bgs., 1c. more.			
Silica, amorph., dry-grd., 325 mesh, bgs., c.l., Ill. works	ton.	20.00	30.00
l.c.l., works	ton.	25.00	40.00
hard-quartz, 99½%, 325 mesh, bgs., c.l., works	ton.	20.00	—
l.c.l., works	ton.	25.00	—
140 mesh, bgs., c.l., works	ton.	12.00	—
l.c.l., works	ton.	17.00	—
Tetrachloride, tech., dms., c.l., works	lb.	.14½	—
l.c.l., works	lb.	.18½	.20½
Silver bullion, ingots, cs	oz.	.72¾	—
Cyanide, fib. dms., 2,500-oz. lots.	oz.	.66⅜	—
1,000-oz. lots	oz.	.66⅜	—
500-oz. lots	ob.	.66⅛	—
100-oz. lots	oz.	.67⅛	—
Nitrate, CP, cryst., bots., 2,500-oz. lots	oz.	.46½	—
1,000-oz. lots	oz.	.47¾	—
500-oz. lots	oz.	.48½	—
250-oz. lots	oz.	.48¾	—
USP granular silver nitrate 4c. per oz higher			
Proteinate, mild, USP, bots., dms., 1,500-oz. lots	oz.	.95	—
strong, NF, bots., dms., 1,000-oz. lots	oz.	.90	—
Simaruba bark, bls	lb.	.85	Nom.
Skullcap herb, Eastern, bls	lb.	.60	.65
Western, bls	lb.	.30	.35
Skunk cabbage root, bls	lb.	.30	.35
Slate flour, bgs., c.l., works	ton.	11.00	12.00
l.c.l., ex whse	ton.	20.00	60.00
Sloe berries, bgs	lb.	.32	.35
Smalt, black, ctns	lb.	.11½	—
Blue, ctns	lb.	.15½	—
Snakeroot, Canada, bls	lb.	.45	.50
Soapbark, bls	lb.	.22	.23
crushed, bls., bbls	lb.	.26	.28
cut, foreign, bbls	lb.	.25	.26
powd., bbls	lb.	.27	.28
Soda ash, dense, 58%, paper bgs., c.l., works	100 lbs.	1.45	—
l.c.l., stock points	100 lbs.	2.85	4.62
bbls., c.l., works	100 lbs.	1.95	—
l.c.l. stock points	100 lbs.	3.35	5.12
bulk, c.l., works	100 lbs.	1.20	—
light, 58%, paper bgs., c.l., works	100 lbs.	1.35	—
l.c.l., stock points	100 lbs.	2.75	4.52
bbls., c.l., works	100 lbs.	1.85	—
l.c.l., stock points	100 lbs.	3.25	5.02
bulk, c.l., works	100 lbs.	1.10	—
Soda, caustic, flake, powd., 76%, dms., c.l., works	100 lbs.	3.60	—
l.c.l., stock points	100 lbs.	4.95	6.77
liquid, 50%, sellers' tanks, works, dry basis	100 lbs.	2.40	—
rayon-type, tanks, works, dry basis	100 lbs.	2.50	—
70%, sellers' tanks, works, dry basis	100 lbs.	2.50	—
rayon-type, tanks, works, dry basis	100 lbs.	2.60	—
solid, 76%, dms., c.l., works, 100 lbs.	100 lbs.	3.20	—
l.c.l., stock points	100 lbs.	4.55	6.42
Sal, bgs., c.l., ex car	100 lbs.	1.58	—
l.c.l., bgs., ex whse	100 lbs.	1.78	—
Soda-lime, USP, dms	lb.	.23	.25
Sodium acetate, anhyd., dms., works.	lb.	.10	.11¼
NF, cryst., bbls., works	lb.	.16	—
powder, bbls., works	lb.	.08	.09
Alginate, refined, water soluble, bbls., works	lb.	.79	—
semi-refined, bbls., works	lb	.46	—
NF, white, powd. dms., works, ton lots	lb.	1.25	—
Aluminate, 20,000 lbs. or more, bgs	100 lbs.	8.50	—
under 20,000 lbs., works	100 lbs	9.50	—
Antimoniate, bbls., c.l., dlvd. E	lb.	.23½	—
l.c.l., dlvd.	lb.	.24½	—
Arsenate, dealers, dms., c.l., works.	lb.	.12	—
Arsenite, dealers, dms., works	lb.	No stocks.	
solution, dms., works	gal.	.60	1.00
Benzoate, tech., bbls., dms., 100 lbs. or more	lb.	.39	—
USP, bbls., dms., 100 lbs. or more	lb.	.46	—
smaller lots	lb.	1.30	1.65

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Nytron • Ammonium Bicarbonate • Para-dichlorobenzene • Ortho-dichlorobenzene • Monochlorobenzene • Methanol • Ammonium Chloride • Formaldehyde

Sodium Bicarbonate—Sodium-Zirconyl Sulphate

Sodium bicarbonate, USP, gran., bgs., c.l., works..100 lbs. 2.35 • —
l.c.l., works 100 lbs 3.00 • —
powd., bgs., c.l., works 100 lbs. 1.95 • —
l.c.l., works ... 100 lbs. 2.60 • —
Bichromate, bgs., works..... lb. .09¾- .10¾
Sodium bichromate, in drums, ¾c. higher.
Bifluoride, bbls., c.l., works, frt. equald lb. .13¼- —
l.c.l., same basis..... lb. .13½- —
Bisulphate, bulk, c.l., works.. 100 lbs. 1.75 • —
dms., c.l., works.....100 lbs. 2.40 • —
l.c.l., works .....100 lbs 2.90 • —
Bisulphite, powd., bgs., c.l., works. 100 lbs. 3.75 • —
l.c.l., works 100 lbs. 4.00 • —
solut. 35° bbls., c.l., works.. 100 lbs. 1.10 • —
l.c.l., works ... ... 100 lbs 1.50 • —
Borate (see Borax).
Bromide, USP, bbls., kgs., works. lb. .34 • .35
Cacodylate, NF, jars, dms. lb. 7.00 • 8.00
Carbonate, anhydrous (see Soda ash), crystalline, monohydrated, bgs., c.l., works..100 lbs. 2.55 • —
l.c.l., works .....100 lbs. 2.75 • —
Chlorate, cryst., dms., c.l., works. lb. .06 • —
l.c.l., works.....lb. .06¼- —
powd., kgs., works .....lb. .09½- —
Chloride, tech. (see Salt).
USP, dms .....lb. .21 • —
Chlorite, tech., dms., works lb. .75 • —
Chloroacetate, tech., dms., c.l., works lb. .20 • —
l.c.l., dms., works.....lb. .21 • .22
Chromate, dms., works.....lb. .11½- .12½

Sodium citrate, anhyd, dms.....lb. .60 • .65
USP VIII, anhyd., dms.....lb. .23 • .28
USP XIII, gran., dms.....lb. .28 • .32
Sodium citrate, USP XIII, powd., prices ½c. higher.
Cyanate, dms., 1,000 lbs., works. lb. 1.10 • —
smaller lots, works.....lb. 1.25 • —
Cyanide, 96-98%, dms. .....lb. .16 • .18
Diacetate, 33-35% acidity, bbls., works lb. .11½- .12½
anhydrous, dms., works lb. .14 • .15½
Fluoride, white, 90%, bbls., c.l., works lb. .10½- —
l.c.l., works .....lb. .10¾- .11
95%, bbls., c.l., works.....lb. .10¾- —
l.c.l., works ..... lb. .11 • —
Fluoracetate, monobasic, 8-oz. tins, 50 to a case, works lb.12.00 • —
2 to 25 tins to case, works lb.12.00 -16.50
1 oz. tins, 16 to 64 to case, works lb.16.50 -21.00
tribasic, ton lots .... lb.11.00 • —
Formate, bgs. c.l., dlvd....100 lbs. 7.10 • —
l.c.l. ..... 100 lbs. 8.15 • —
Gluconate, dms. lb. .83 • .85
Glutamate, monobasic, dms., c.l., dlvd lb. 1.53 • —
smaller quantities, dlvd lb. 1.54 • 1.56
Glycerophosphate, NF, flake, bbls. lb. 1.65 • 1.80
powder, bbls. .....lb. 1.70 • 1.85
solution, 75%, cbys .....lb. .94 • 1.06
Hydride, dms., works .....lb. 2.00 • 3.00
Hydrosulphide (see Sodium sulphydrate).
Hydrosulphite, dms., c.l., frt. alld. lb. .22 • —
l.c.l., frt. alld.....lb. .22½- .24½
Hydroxide, tech. (see Soda, caustic).
USP, pellets, dms lb. .23 • —

Sodium hypophosphite, NF, ton lots and less, dms..lb. .85 • .88
Hyposulphite, photographic, bgs., 5,000-lb. lots, Metro. area.. 100 lbs. 4.10 • —
tech., cryst., bgs., c.l., works, frt. equald..100 lbs. 3.75 • —
l.c.l., same basis..100 lbs. 4.10 • —
pea, bgs. .....100 lbs. 3.90 • 4.85
gran., bgs., c.l., works...100 lbs. 4.00 • —
Sodium, hyposulphite, crystals in bbls., 50c. higher.
USP (see Sodium thiosulphate).
Iodide, USP, bots., dms .....lb. 2.47 • 2.59
Lactate, edible, 50%, dms., cbys., works lb. .19 • —
60%, dms., cbys., works lb. .24 • —
tech., 50%, dms., cbys., works, lb. .13 • .14
Metaborate, octa-hydrate, gran., bgs., c.l., works ton.73.00 • —
l.c.l., works ton.118 00 -123.00
tetrahydrate, c.l., bbls., works. ton.184.50 • —
Sodium metaborate in bbls. $20 per ton higher.
Metal, tanks, works.....lb. .16 • —
bricks, dms., works.....lb. .17 • .18
Metanilate, bgs. (100% basis)..lb. .57 • —
Metasilicate, anhyd., dms., c.l. 100 lbs. 4.60 • —
l.c.l., dms., works.....100 lbs. 4.85 • —
pentahydrate, ngs., c.l., works. 100 lbs. 3.50 • —
l.c.l., bgs., works 100 lbs. 3.90 • 6.40
bbls., c.l., works 100 lbs. 3.90 • —
l.c.l., bbls., works 100 lbs. 4.30 • —
Molybdate, anhyd., bbls., works.lb. .60 • —
Monohydrate (see Sodium carbonate, monohydrated).
Napthionate, bbls.....lb. .66 • —

Sodium nitrate, crude, dom., bgs., c.l., works..ton.48.50 • —
bulk, c.l., works .lb.45.00 • —
imp., 100-lb. bgs., c.l., Atl Gulf, Pac. whse..ton.51.50 • —
bulk, c.l., same basis..ton.48.00 • —
Nitrite, 99½%, bbls., c.l., works, frt. equald..lb. .07¼- —
l.c.l., same basis.....lb. .08¾- —
USP, dms..... lb. .21 • —
Orthosilicate, anhyd., dms., c.l., works 100 lbs. 5.25 • —
l.c.l., same basis.... 100 lbs. 5.55 • 7.10
hydrated, flake, bbls., c.l., works. 100 lbs. 4.25 • —
l.c.l., works. 100 lbs. 5.50 5.75
Oxalate, neut., bgs., works. lb. .09½- —
Para-aminonenzoate, dms., 1,000 lbs. or more lb. 3.50 • —
smaller lots lb. 3.65 • —
Para-aminosalicylate, dms., 1,000 lbs. or more lb. 5.25 • —
smaller lots lb. 5.30 • 6.25
Pentachlorophenate, briquets, bgs., c.l., works, frt. equald lb. .21½- —
l.c.l., same basis lb. .22½- .24½
pellets, bgs., c.l., same basis lb. .21 • —
l.c.l., same basis lb. .22 • .24
powd., bgs., c.l., same basis lb. .20 • —
l.c.l., same basis lb. .21 • .23
Truckloads of pentachlorophenate of 20,000 lbs. min. available at ¼c. per lb. over carlot prices.
Perborate, USP, tech., bbls., c.l., works..lb. .18¾- —
l.c.l., works lb. .19¼- —
Peroxide, dms., c.l., dlvd. E. of Miss lb. .18 • —
l.c.l., same basis..... lb. .18½- .19
Phenolsulphonate, USP IX, gran., dms lb. .38 • .39
powd., dms. lb. .41 • .42
Phosphate, dibasic, anhydr., bgs., c.l., works..100 lbs. 6.75 • 7.00
l.c.l., works 100 lbs. 7.25 • 7.50
cryst., ngs. c.l. works. 100 lbs. 4.00 • —
l.c.l., works ....100 lbs. 4.40 • —
USP, dried, powd., bgs., dms. works lb. .19 • .20½
monobasic, anhyd., bgs., c.l., works..100 lbs. 7.80 • —
l.c.l., works ....100 lbs. 8.20 • —
tribasic, cryst., bgs., c.l., wks., frt. equald..100 lbs. 3.90 • —
l.c.l., same basis..100 lbs. 4.30 • —
Sodium phosphates in bbls. 40c. higher than bgs.
USP (see Sodium phosphate dibasic)
Prussiate, yellow, bgs lb. .12½- —
Pyrophosphate, acid, bgs., c.l., works, frt. equald 100 lbs.10.50 • —
ferric, dms., 1,500 lbs., works. lo. .30 • —
smaller lots, works lb. .31 • —
tetrabasic, anhyd., bgs., c.l., works, frt. equald..100 lbs. 7.15 • —
l.c.l., frt. equald..100 lbs. 7.55 • —
Salicylate, USP, dms..... lb. .61 • .63
Sesquicarbonate, bgs., c.l., works. 100 lbs. 1.93 • —
l.c.l., dlvd. zone 1.....100 lbs. 3.70 • 4.10
zone 2.....100 lbs. 3.96 4.36
zone 3.....100 lbs. 4.25 4.65
zone 4 ..... 100 lbs. 4.96 5.35
Sales zones are: (1) All States E. of Miss. R. and N. of south bound of Ky. and Va.; Ala., La., and Miss., south of 31° Tex. E. of 100°; S. of 31° Fla.; also Me., N. H., and Vt., in which there are special county zones; Davenport, Ia., and St. Louis; (2) Ark. E. of 98° Ga.; Iowa (except Davenport), Minn.; Mo. (except St. Louis), Neb., E. of 98° N. C., S. C., Tenn. and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La. and Miss. No. of 31°; (3) Ark. W. of 96°, Kan., Neb. W. of 98°; N. D., Okla., S. D., Tex., W. of 100° (including Wichita Falls excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo., and El Paso, Tex.
bbls. c.l. works 100 lbs. 2.45 — —
Sesquisilicate, bbls., c.l., works. 100 lbs. 4.15 • —
l.c.l., dlvd.....100 lbs. 5.40 • 5.65
tanks, works.....ton.16.00 -17.00
Silicate, liquid, 40°, turbid., dms., c.l., works..100 lbs. 1.10 • —
l.c.l., works .....100 lbs. 1.45 • 1.85
tanks, works .....ton.17.00 • —
52°, turbid., dms., c.l., works 100 lbs. 1.90 • —
l.c.l., works.....100 lbs. 2.25 • —
tanks, works .....ton.33.00 • —
solid, bgs., works.....ton.50.00 • —
Silicofluoride, bbls., c.l., works lb. .04½- —
l.c.l., works .....lb. .049 • —
Stannate, dms. works, frt. alld E. lb. .587 • .641
Stearate, USP, anhyd., bbls., works lb. .51 • .56
Sulphanilate, bbls., works lb. .22 • —
Sulphate, NF VII, dried, gran., dms lb. .14½- .16¼
tech., anhyd. ogs. c.l. works. 100 lbs. 2.00 • —
l.c.l., works 100 lbs. 2.35 • 2.60
cryst. (see Glauber's salt)
USP, cryst., bbls lb. .17 • .19
gran., bbls lb. .17 • .17¼
Sulphide, flake, bbls., c.l., works, frt. equald..100 lbs. 4.50 • —
l.c.l., same basis 100 lbs. 5.00 5.25
fused, bbls. c.l. works, frt. equald 100 lbs 4.00 • —
l.c.l., same basis 100 lbs. 4.50 4.75
Sulphite, anhyd., by-product, powd., bgs., c.l., frt equald 100 lbs. 2.50 • 2.75
l.c.l., same basis 100 lbs. 3.25 • 3.75
regular, powd., bbls., c.l., works 100 lbs. 6.50 • —
l.c.l., same basis 100 lbs. 7.00 • —
crystals, bgs., c.l., works. 100 lbs. 4.10 • —
l.c.l., works .....100 lbs. 4.50 • 4.75
bbls., c.l., works.....100 lbs. 4.50 • —
l.c.l., works .....100 lbs. 4.90 • —
Sulphocyanide, CP (see Sodium thiocyanate).
Sulphoricinoleate, bbls. lb. .51 • .61
Sulphydrate, flake, 70-72%, dms., c.l lb. .05¾- —
l.c.l., works lb. .06¼- —
liquid, 45% basis 100%, tanks, works ton.90.00 • —
Tetrasulphide, liquid, 40%, dms., c.l., works lb. .03 • —
l.c.l., works ..... lb. .03¼- —
Thiocyanate, CP, dms lb. .55 .65
tech., dms., works lb. 30 —
Thiosulphate, tech. (see Sodium hyposulphite).
USP, cryst., bbls lb. .10 .12
Titanate, ctns., c.l., works..... lb. .10 • —
5 tons, works lb. .10¼- —
1 ton or less, works.... lb. .10½- .11
Trichloroacetate, dms. .....lb. .46 • .55
Tripolyphosphate, bgs., c.l., works, frt. equald .....100 lbs. 7.25 • —
l.c.l., same basis 100 lbs. 7.65 • —
Tungstate, tech., kgs., dlvd. East lb. 1.25 • —
Sodium-ammonium phosphate, bbls., works, frt equald lb. .23 • —
Sodium-carboxymethylcellulose—See CMC
Sodium-Cinchophen (see Cinchophen-sodium).
Sodium-formaldehyde sulfoxylate. dlvd., dms lb. .22 .22½
Sodium-sulpha drugs (see Sulpha name)
Sodium-titanium fluoride, fib. dms. c.l., works lb. .16½- —
l.c.l., works lb. .17½- .20
Sodium-zirconyl sulphate, fiber dms., 1,000 lbs. or more, works lb. .28 • —
less 1,000 lbs. same basis lb. .30 • —

Bichromate of Soda
Bichromate of Potash
Sodium Sulphate
Sodium Chromate

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Natural
CHROMIUM PRODUCTS
NATURAL PRODUCTS REFINING CO. JERSEY CITY, NEW JERSEY

OVER FORTY YEARS OF PROGRESS

"BUY CROW-MATES"

NATURAL PRODUCTS REFINING COMPANY

JERSEY CITY, NEW JERSEY

Solvent naphtha, coaltar tanks, works ..gal. .28 - .31
high-flash, tanks, works ..gal. .28 - .31
Petroleum 100° F., flash, tanks, Baytown, Tex gal. .28 - —
Bayonne .....gal. .32 - —
150 F dash tanks same basis-gal. .28 - —
Sorbitan monostearate, fib. dms., 20,000 lbs., works lb. .30 - .31
10,000 to 20,000 lbs., works lb. .32 - .33
smaller lots, works lb. .35 - .38
tristearate, fib. dms., 20,000 lbs. works lb. .30 - —
10,000 to 20,000 lbs., works lb. .32 - —
smaller lots, works lb. .35 - .37
Sorbitol cryst. pellets dms. c.l., works lb .30 —
ton lots to 5 tons, works. lb. .32 - .33
powd., dms. ton lots to 5 tons, works lb. .38 .39
solution, commercial, aqueous, dms., c.l., works lb. .22½ —
ton lots, works lb .23¼ - —
less ton lots, works lb. .24 - —
tanks, works lb. .21¼ - —
regular, 70%, aqueous, dms., c.l., works lb. .16¼ - —
ton lots, works lb. .17 - —
less ton lots, works lb. .17½ - —
tanks, works lb .15½ - —
Soybean meal, 41% bulk, Decatur, ton.59.50 - —
50%, same basis .....ton.69.00 - —
protein, chemically isolated, 40,000 lbs., dlvd lb. .24 - —
20,000 lbs., same basis .. lb. .24¼ - —
smaller lots, same basis lb. .24½ - .28
mechanically refined, bgs., 40,000 lbs., same basis lb. .0600- —
20,000 lbs., same basis .. lb. .0615- —
smaller lots, same basis lb. .0630- —
Sparteine sulphate cns ..... oz. .85 1.25
Spearmint leaves, bls..... lb. .52 .55
Spikenard root, bls ..... lb. .36 .40
Spruce extract liq., reg., tanks, works lb. 01¾ - —
powd., super bgs., c.l., works. lb .05¼ —
Squaw vine leaves, bls..... lb. .30 - .35
Squill, red fortified, powd., bbls. boxes lb. 1.60 - —
White, bls. ..... lb .11 - .13
powd. bbls. bxs..... lb. .16 .18
St. Ignatius beans, bgs..... lb. No stocks.
St. John's bread edible, bls ... lb. .13 - .18
Stainless steel flake, dry, dms., works lb 1.50 —
paste dms., works lb 1.25 - —
Stannous chloride (see Tin chloride stannous).
Star root (see Helonias root).
Stargrass root (see Aletris root).
Starch, corn, pearl, paper bgs., c.l., 100 lbs. 5.92 - —
Chicago ..... 100 lbs. 5.27 - —
l.c.l., ... 100 lbs. 6.07 - —
powd., paper bgs., c.l.... 100 lbs. 6.03 - —
Chicago ..... 100 lbs. 5.38 - —
l.c.l. ..... 100 lbs. 6.18 - —
Prices for corn starch in cotton bags, 12c to 15c. per 100 lbs. higher.
Potato, Idaho, bgs., c.l., works lb. .05¼ - —
Maine, bgs., c.l., works... lb. .05½ - —
l.c.l., spot..... lb. .07¼ - .07½
Rice, bgs. ..... lb. .10¾ - .11
Sweetpotato, bgs., c.l..... lb No stocks.
Wheat, bgs. ..... lb. .0606- 0626
Stavesacre seed, bgs ..... lb .60 61
Stearin oleo (see Oleostearin).
Stillingia root, bls. ..... lb .35 38
Stoneroot, bls ..... lb 07¼ 08
Storax USP cs ..... lb 1.50 1.60
Stramonium leaves, bgs..... lb. .22 - .24
Seed, bgs ..... lb. .20 .21
Streptomycin, hospitals, vials gram. .60 - —
wholesalers, vials ..... gram. .48 - —
Strontium bromide NF cns., dms. lb. .67 - —
Carbonate 90% dms..... lb .15½ - .16¼
Chloride tech, bbls..... lb .22 .24
Chromate, bbls, works..... lb. .50 - —
Iodide jars, 25 lbs ..... lb 3.60 - —
Nitrate, bbls., c.l., works..... lb .09¼ - —
l.c.l. works ..... lb .10¼ - —
Oxalate, bbls, works ..... lb .42 .44
Salicylate, NF, dms ..... lb. 1.65 - —
Sulphate air-floated, 90% 325 mesh bgs., works ton.56 70 -66 15
Strontium-calcium sulphide phosphorescent dms. works lb 2.50 2.85
Strophanthin NF bots oz.39 00 —
Strophanthus seed Kombe bgs lb 3.00 3.25
Strychnine NF powd. cns. 100 ozs. oz 1 25 - —
Phosphate NF, 100 ozs oz 1.14 - —
Sulphate USP powd. cns., 100 ozs oz 1.00 —
Styrene, monomer, dms. c.l. works lb. .17¾ - —
l.c.l., works ..... lb. .18¾ - —
tanks, works ..... lb. .16½ - —
Styrolyl acetate bots lb 2.50 3.10
Sucrose octa-acetate denat., bbls., c.l., works lb 60 —
tech. bbls. l.c.l. works lb 55 —
Sugar coloring (see Caramel coloring).
Sugar of milk (see Milk sugar).
Sulphabenzamide, dms ..... lb 4.25 4.60
Sulphabenzamide-sodium, dms lb 4.25 4.60
Sulphadiazin, USP, crystals, free flowing, dms lb.11.25 -11 75
microcrystals, 99%, not over 10 microns, dms lb.10.50 -11.00
powder lb.10 25 -10 75
Sulphadiazin-sodium, USP, granules, free flowing, dms lb.12.25 -12.75
powder ..... lb.11.25 -11 75
Sulphaguanidin USP, dms ..... lb 4.50 5.00
Sulphamerazin, USP, micro crystals, 99 9% not over 10 microns, dms lb.10.55 -11.05
powder, dms lb.10.25 -10 75
Sulphamerazin-sodium, USP, dms., lb.11 25 -11.75
Sulphamethazine micro crystals lb 8.80 9.30
powder lb 8.50 9.00
Sulphanilamide USP, crystals, free flowing lb 1.15 1.35
microcrystals ..... lb 1.30 1.50
powder ..... lb. 1.05 1.25
Sulphanilamidoquinoxaline veterinary, dms lb 9.00 9.25
Sulphapyridin NF powd bots, tins lb 7.00 7.50
Sulphapyridin-sodium powd., bots, dms lb 7.50 8 00
Sulphathiazole, USP crystals, free flowing lb. 3.50 4.00
micro crystals, 99.9%, not over 10 microns, dms lb 3.25 3.55
powder, dms. lb 3.00 3.30
Sulphathiazole-sodium, USP, dms., lb 3.00 3.30
Sulphur, com'l, rubbermakers, bgs., c.l., works 100 lbs. 1.75 - —
t.c.l. works 100 lbs 2 10 2.45
crude c.l. bulk mines contract long ton 18.00 —
vessel f.o.b. Gulf ports, export, long ton.22.00 -24.00
f.o.b ship for domestic and Canada long ton 19.50 —
flour, com'l, 90½%, bgs., c.l., works 100 lbs. 1.60 - —
t.c.l., works 100 lbs 1.95 2.20
precipitated, USP, bbls., kgs lb. .27 - .29
refined, flour, light refined, USP, bgs., c.l., works 100 lbs 3.00 - —
t.c.l., works.....100 lbs. 3.35 - 3.70

Sulphur, refined, flour, heavy, bgs., c.l., works..100 lbs. 2.80 - —
t.c.l., works 100 lbs 3.15 3.50
flowers, USP, bgs. c.l., works 100 lbs. 3.85 - —
t.c.l., works 100 lbs 4.20 4.60
Sulphur flowers in bbls. 75c. higher.
rock, bgs c.l. works 100 lbs 2.40 —
t.c.l. works 100 lbs 2 75 3.10
rolls, bgs., c.l., works...100 lbs 2.70 - —
t.c.l. works 100 lbs 3.05 3.70
rubbermakers' bgs. c.l. works. 100 lbs. 2.35 —
t.c.l., bgs., works 100 lbs 2.70 3 05
Chloride, mono 55-gal. dms., c.l., frt. equald lb. .03¼- —
t.c.l., same basis ..... lb. .04¼- —
tanks, same basis ..... lb. .03 - —
Dioxide liquid, com'l, cyls., works lb. .09 - —
multi unit cars, works lb. .0335- —
tanks, works ... lb. .045 — —
refrigeration cyls. t.c.l., dlvd lb. .20 .36
Sumac bark 25% grd. bgs., ex dock ... ton.65 00 -66.00
Extract, No. 1 bbls. 25% .... lb. .10½- —
No. 2, bbls., 25% ..... lb. .09 - —
crystals, bbls ..... lb .40 — —
stainless, bbls ..... lb 14½- —
Leaf 28% grd. bgs. ex-dock. ton.67 00 -68.00
Superphosphate run-of-pile, under 22% a.p.a pulv., bulk. Balto unit-ton. 76 - —
Carteret, N J unit-ton. 70 - —
triple, 48% or more, a.p.a., pulv., bulk, East Tampa Fla.unit-ton. .80 - —
Prices on 48% triple superphosphate in other states and D C are per unit-ton plus frt charges from E Tampa, Fla. Superphosphate, gran. 2c per unit-ton higher than pulverized.
Sweet basil, imported, bls ... lb. No stocks.

T

Talc, dom., ordinary, grd., Calif., bgs., c.l., works ton.25.00 -35.00
Vermont, bgs., c.l., works ton.14.00 - —
l.c.l., works ..... ton.17 50 - —
fibrous, New York, off-color, grd., bgs., c.l., works ton.24.00 - —
l.c.l. ..... ton.26.50 -28.00
98.5-99.5%, 325 mesh, bgs., c.l., works ton.23.00 -28.00
l.c.l., works .. .. ton.25.00 -32.00
imp. Canada grd., bgs., c.l., mines ton.12.50 -35.00
Tallow, edible, dms., c.l. ..... lb. .11¼ Nom.
inedible, extra, loose, c.l., dlvd lb. .08 - —
fancy, loose, c.l., dlvd ..... lb. .08¼ - —
special, loose, c.l., dlvd .... lb. .07½ - —
sulphonated, 25%, dms ..... lb. .07 - .07½
50%, dms. ..... lb. .09½ - .10
Tamarind, W. I. bbls..... lb. .10 - .15
kegs ..... keg.10.00 — —
Tankage, animal feeding, 9-11% am mon., bulk unit-ton. 8.00 - —
Chicago .....unit-ton. 8.75 - —
Tansy leaves, bls ..... lb .24 .30
Tapioca flour, high grade, bgs. lb. .06¾- .07
medium grades, bgs ..... lb. .06½- .06¾
low grades, bgs ..... lb. .05½- .06
Java, bgs ..... lb. No stocks.
Tar acid oil, 15-18%, dms., c.l., frt equald gal. .41 - —
t.c.l., same basis .... gal. .44 - —
tanks, same basis .... gal. .33 - —
25-28%, dms., c.l., works gal. .48 - —
l.c.l. same basis ... gal. .51 - —
tanks, same basis ..... gal. .40 - —
50-53%, dms., c.l., same basis, gal. .53 - —
l.c.l. same basis .... gal. .61 - —
tanks, same basis .....gal. .50 - —

Solvent Naphtha—Tetraethylenepentamine

Tar, coal (see Coaltar).
Pine (see Pinetar).
Tara pods, bgs. c.l., ex dock U. S. ports long ton. No prices.
powd., bgs., c.l., same basis .... long ton.225.00 Nom.
Tarragon herb, bgs..... lb. .45 - .50
Leaves, bgs ..... lb. .75 - .80
Tartar emetic, tech., gran. or powd., bbls., kgs. lb. .47 - —
dms. ..... lb. .48 - .52
USP, powd., bbls., dms., kgs. lb. .52 - .53
Terpin hydrate, com'l, bbls., c.l lb. .24½- —
l.c.l. ..... lb. .25 - .25¼
NF, cryst., bbls., dms..... lb. 75 - —
powd., bbls., dms..... lb. 80 - —
Terpineol, Alpha (see A).
com'l, dms., c.l., South..... lb. .13½- —
l.c.l., South ..... lb. .14 - —
tanks, South ..... lb. .13 - —
prime, dms ..... lb. .53 - .60
Terpinglycol ether, dms., c.l., works, lb. .19½- —
l.c.l., works ..... lb. .20 - —
tanks, works ..... lb. .19 - —
Terpinyl acetate, extra, cns., dms lb. .60½- .70¼
prime, cns., dms ..... lb. .55 - .65
Terra alba (see Gypsum).
Testosterone, USP, 100 gms.... gm. 3.75 - —
Propionate, USP., 100 gms ... gm 3.75 - —
Tetrachloroethane, dms., works lb. .08 - .08¼
Tetrachloroethylene, USP, 55-gal. dms., works lb. .20½- .21½
smaller dms., works ..... lb. .23½- .25
tech. (see Perchloroethylene).
Tetraethyl orthosilicate, dms., works. lb. .70 - —
Pyrophosphate, 40% cns., dms., works lb. .80 - —
Tetraethylenepentamine, dms., c.l., works lb. .51½- —
t.c.l., works ..... lb .52 - —
tanks ..... lb .50 - —

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Tetrapotassium Phosphate—Vinyl Trichloride

Tetrapotassium phosphate (see Potassium phosphate).
Tetrasodium pyrophosphate (see Sodium pyrophosphate).
Thallium metal, dlvd ..... lb 12.50 -15.00
sulphate, 99%, bots., dlvd .... lb 10.50 -13.00
Theobromine, fib, dms ..... lb. 5.25 - 5.32
Salicylate, fib, dms ..... lb. 4.40 - 4.45
with sodium acetate, USP, dms ..... lb. 4.05 - 4.10
Sodio-salicylate, fib, dms ..... lb. 3.30 - 3.35
Theophylline, anhyd., or USP, 100-lb dms lb. 5.50 - —
Thiamine hydrochloride, USP, bots., 100 grams kilo 160.00 - —
Mononitrate, bots., 100 grams kilo. 160.00 - —
Thiocarbanilide, dms ..... lb 40 - .42
Thiodiphenylamine (see Phenothiazine).
Thiouracil, dms, works ..... lb 5.50 - 5.60
Thiourea, tech., dms., c.l., works lb. .44 - —
l.c.l., works ..... lb. .46 - —
Thorium nitrate, cs., works ..... lb. 3.50 - —
Threonine, dextro-laevo, 100 grams 115.00 - —
Thyme, French, bgs ..... lb. .16 - .16¼
Spanish, bls ..... lb. .09 - .09½
Thymol, kgs ..... lb. 3.50 - —
Iodide, NF, dms ..... lb. 6.60 - 6.70
Timbo root (see Cube root).
Tin chloride (stannous), anhyd., dms., works lb. .884 - .894
Crystals, hydrous, bgs., bols., works lb. .73½ - —
Metal ..... lb. 1.02 - —
Oxide, bbls ..... lb. 1.04 - 1.05
Sulphate, stannous, bbls ..... lb. .992 - 1.01
Tetrachloride, anhyd., dms., works lb. .62 - .63
Titanium dioxide, anatase, ceramic, bgs., c.l., dlvd ..... lb. .19½ - —
l.c.l., dlvd ..... lb. .20 - .20½
chalk-resistant, bgs., c.l., dlvd. lb. .19½ - —
l.c.l., dlvd ..... lb. .20 - .20½
plain, bgs., c.l., dlvd ..... lb. .19½ - —
l.c.l., dlvd ..... lb. .20 - .20½
rutile, natural, granular, bgs., c.l., works lb. .05 - —
5-ton lots, works ..... lb. .05¼ - —
milled, bgs., c.l., works ..... lb. .05¼ - —
5-ton lots, works ..... lb. .05½ - —
nonchalking, bgs., c.l., dlvd E. lb. .21½ - —
l.c.l., dlvd, E ..... lb. .22 - .22½
Hydride, ens, works ..... lb. 7.00 8.00
Pigment, calcium-rutile, base, bgs., c.l., dlvd lb. .07½ - .07¾
l.c.l., dlvd ..... lb. .08 - .08¾
Titanium dioxide and pigment in bbls., ¼c. higher; Pac. coast c.l., dlvd., l.c.l., ex whse. ¾c. higher
Tetrachloride, CP, 55 gal. dms lb. .57 - .58
smaller pkgs., works lb. .65 - 1.22
technical, 5-gal. dms., works lb. .32 - —
smaller pkgs., works ..... lb 40 1.00
Tolu balsam, ens., dms ..... lb. 3.45 - 3.60
Toluene (see Toluol).
Tolidin base, distilled, kgs ..... lb 1.10 - —
Toluol, coaltar, industrial and nitration, tanks, works:—
Bethlehem, Pa ..... gal. .24½ - —
Birmingham dist ..... gal. .25 - —
Chicago dist ..... gal. .28 - —
Cleveland district .... gal. .27¾ - —
Lone Star, Tex ..... gal. .24½ - —
Geneva, Utah ..... gal. .21 - —
Hamilton, Ohio ..... gal. .25 - —
Johnstown, Pa ..... gal. .23 - —
Toluol, coaltar, industrial and nitration, tanks, works, Lackawanna, N. Y. .gal. .26 - —
Lorain, Ohio ..... gal. .26 - —
Minequa, Colo ..... gal. .23½ - —
Philadelphia, Pa ..... gal. .26½ - —
Pittsburgh district .... gal. .25 - —
Sparrow's Point, Md .. gal. .24½ - —
St. Louis, Mo ..... gal. .26 - —
Syracuse, N. Y. ..... gal. .23½ - —
Terre Taute, Ind .... gal. .26½ - —
Wyandotte, Mich .... gal. .26 - —
Youngstown, Ohio .... gal. .23½ - —
Petroleum, industrial, 2°, tanks, works—
Albany, N. Y. .... gal. .30 - —
Bayonne, N. J. ..... gal. .30 - —
Baytown, Tex. ..... gal. .28 - —
Chicago, Ill. ..... gal. .30 - —
Detroit, Mich ..... gal. .30 - —
Philadelphia, Pa. .. gal. .30 - —
Providence, R. I. .. gal. .30 - —
Wood River, Ill ... gal. .28 - —
Tonga 50% bark and vine bls. lb 80 - .85
Tonka beans, Angostura, cks .. lb 1.75 - 1.80
Brazilian, cs ..... lb 1.00 - 1.15
Surinam cs. ..... lb. 1.00 - 1.15
Toxaphene, dms., works, c.l ... lb. .20 - —
truckloads, works ..... lb. .20 - —
ton to truckloads, works ... lb .23 - —
less than tons, works ..... lb. .26 - —
Totaquine, 100-oz tots ..... oz. .42 - —
Triacetin, dms., dlvd ..... lb. .45 - .46
Tributyl citrate, dms. ..... lb. 41 - .43
smaller containers ..... lb. .46 - .52
Phosphate, dms, c.l. frt. alld lb. .56½ - —
l.c.l., same basis ..... lb. .57½ - —
smaller containers ..... lb 71 - —
Tributylamine, dms., c.l., frt. alld. lb. .78¾ - —
l.c.l., same basis ..... lb. .79¾ - —
tanks, same basis ..... lb. .77 - —
Trichloronenzene, dms., c.l., works, frt. alld. lb. .10½ - .11½
l.c.l., frt. alld ..... lb. .11½ - .12½
tanks, frt. alld ..... lb. .09 - .10
Prices in the West, 1¾c. higher.
Trichloroethane, dms., c.l., works. lb. .13 - —
l.c.l., works ..... lb. .13½ - —
tanks, works ..... lb. .11½ - —
Trichloroethylene, dms., c.l., or truckload, works, frt. equald. lb. .10½ - —
l.c.l., same basis ..... lb. .11¼ - —
tanks, same basis ..... lb. .10 - —
Trichloroethylene, dms., c.l., dlvd. E lb. .11¼ - —
l.c.l., dlvd, E ..... lb. .11¾ - —
tanks, dlvd, E ..... lb. .10¼ - —
Tricholine citrate, 65% solut., ret., cbys., works, frt. adjusted .. lb. 2.10 - 2.15
Tricresyl phosphate, coaltar, dms., c.l., dlvd .. lb. .34 - —
l.c.l., dlvd ..... lb. .35 - —
tanks, dlvd ..... lb. .32½ - —
petroleum, dms., c.l., dlvd .. lb. .34 - —
l.c.l., dlvd ..... lb. .35 - —
tanks, dlvd ..... lb. .32½ - —
Triethanolamine, dms., c.l. frt. alld, E lb. .23 - —
l.c.l., same basis ..... lb. .24 - —
tanks, same basis ..... lb. .21½ - —
Triethylamine, dms., c.l., works, frt. alld, E lb. .31¾ - —
l.c.l., same basis ..... lb. .32¾ - —
tanks, same basis ..... lb. .30 - —
Triethyl citrate, dms ..... lb. .34 - .36
smaller containers ..... lb. .39 - .45
Phosphate, dms., works, c.l. .. lb. .38 - —
l.c.l., same basis ..... lb. .39 - —
tanks, same basis ..... lb. .37 - —
Triethyleneglycol, dms., c.l., frt. alld., E lb. .20½ - —
l.c.l., same basis ..... lb. .21½ - —
tanks, same basis ..... lb. .19 - —
Triethylenetetramine, dms., c.l., works .. lb. .41½ - —
l.c.l., works ..... lb. .42 - —
tanks ..... lb. .40 - —
Trimethylamine, 25%-40%, dms., c.l., works, frt. equald, 100% basis, lb. .38 - —
l.c.l., works, frt. equald, 100% basis lb. .38½ - —
tanks, works, frt. equald., 100% basis lb. .33 - —
Trimethylhexanol, dms., c.l., works, in. .29½ - —
l.c.l., works ..... lb. .30 - —
tanks, works ..... lb. .28 - —
Tripentaerythritol, bgs., l.c.l. works, lb. .36 - —
Triphenyl phosphate, bbls, c.l., frt. equald lb. .33 - —
l.c.l., frt. equald, ... lb. .34 - —
Triphenylguanidine, bbls, works lb. .90 - —
Tripoli, air floated, bgs, c.l. works, lb. .017½ - —
double grd. bgs, c.l. works lb. .016 - —
single-grd. bgs, c.l. works lb. .015 - —
Trisodium fluoroacetate (see sodium fluoroacetate trihasic).
Trisodium phosphate (see Sodium phosphate, trihasic).
Trypsin, 1:25 dms., works ..... lb 2.30 - —
1:50 dms, works ..... lb 4.25 - —
1:75, dms, works ..... lb 5.50 - —
1:100, fib dms., works ..... lb 5.50 - —
Tryptophane dextro-laevo, fib ctns, works kilo. 207.00 -242.00
Tuba root (see Cube root).
Tungsten metal powd, 99.9%, dms, works lb. 4.50 - 4.75
Turmeric root, Alleppey, bgs ... lb. .32 - .35
Haitian, bgs. ..... lb. .10 - .10¼
Jamaica, bgs. ..... lb. .10 - .10½
Madras, bgs. ..... lb. .16 - .16½
Turpentine, gum (see Naval Stores Protective Coatings market)
Sulphate, ret, dms., East ... gal. .47 - .56
Wood, dest.-dist., dms., incl., c.l., works, South. gal. .40 - —
l.c.l. same basis ... gal. .41 - —
N. Y. whse ..... gal. .48 - —
tanks, works, South ... gal. .27½ - —
steam dist. dms, incl., c.l., works gal. .50 - —
l.c.l., works, South .... gal. .56 - —
ex whse., NYC ..... gal. .68 - —
tanks, works ..... gal. .37 - —
Tyrothricin, bots. ..... gram 1.00 1.10

U

Urethane, USP, dms ..... lb 1.25 - —
Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium oxide, black, bgs ..... lb 2.55 - —
yellow, kgs ..... lb 1.65 - —
Urea, dom, 46% N, bgs, c.l., wks, lb .04½ - —
l.c.l., works lb. .05 - —
42% N, bulk, c.l., 30 tons, frt. alld, Kan., Neb., N. Dak., Okla., S. Dak., Tex. and east ton. 94.00 - —
bulk, distributors, c.l., 40 tons, frt. alld, Colo., Mont., Wyo., and west ton. 116.00 - —
Urea-ammonia liquor, A and B grades, N basis, Belle W Va ton 125.00 - —
C and D grades, same basis, ton 123.50 - —
37 grade, same basis .... ton 147.50 - —
Uva ursi leaves, bls ..... lb. .06 - .14

V

Valerian root, Belgian, NF, bls lb. .40 - .45
Valine, dextro-laevo, dms, works, lb 2.50 - 3.50
Valonia beards, bgs., ex dock ton. 78.00 Nom.
Cups, bgs., ex dock ..... ton. 54.00 -55.00
Extract, powd, ngs., ex dock, duty extra lb. .09½ - —
Vanadium pentoxide, CP, bgs., cns., works lb 7.00 - —
tech, dms, works lb 1.00 1.06
Vanilla beans, Bourbon, tins ... lb. 3.75 - 4.00
Mexican, cuts, tins ..... lb 6.50 6.75
whole, tins ..... lb 7.25 Nom.
Tahiti, cs. ..... lb 2.75 3.25
Vanillin, ex eugenol, tins, 25 lbs lb. 4.00 - —
smaller lots ..... lb. 4.05 - 4.15
ex guaicol, tins, 25 lbs ..... lb 3.00 - —
smaller lots ..... lb 3.05 3.15
ex lignin, tins, 25-lb. lots ... lb 3.00 - —
smaller lots, tins ... lb 3.05 3.15
Vinyl acetate, 55-gal. dms., works. lb. .16 - .16¼
5-gal cns., works ... lb .30 - —
tanks, works ..... lb .15 - —
Butylether, normal, tech., dms., c.l., works lb. .28 - —
l.c.l. works ..... lb. .30 - —
tanks, works ..... lb. .27 - —
Ether (see Ether, divinyl).
Ethylether, tech., dms., c.l., wks, lb. .28 - —
l.c.l., works ..... lb. .30 - —
tanks, works ..... lb. .27 - —
Isobutylether, tech., dms., c.l., works lb. .28 - —
l.c.l., works ..... lb. .30 - —
tanks, works ..... lb. .27 - —
Methylether, cyls., works ..... lb. .30 - —
tanks, works ..... lb. .27 - —

Cylinders are sold outright, or if shipped against deposit, a free period of 60 days is allowed; and if empties are returned prepaid and in good condition within that period, full refund is made.

Trichloride (see Trichloroethane).

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Vinylpyridin, ret. dms., works lb. 1.50 • —
Viosterol, in alcohol, 1,000,000 D units per gm., bots., lots of 10 billion USP units 1,000,000 units. .023 • —
lots of 1 billion USP units, 1,000,000 units. .03 • —
lots of less than 1 billion USP units 1,000,000 units, in neutral vegetable oil 400,000 or 1,000,000 D units per gm., bots., lots of 10 billion USP units 1,000,000 units. .02 • —
lots of 1 billion USP units, 1,000,000 units. .025 —
lots of less than 1 billion USP units, 1,000,000 units. .03 —
Vitamin A, natural, acetate, 200,000 to 400,000 A units per gm., bots., cns., dms., lots of 500 million units or more 1,000,000 units. .16 • —
lots of less than 500 million units 1,000,000 units. .20 • —
Over 400,000 A units per gm., bots., cns., dms., lots of 500 million units or more 1,000,000 units. .17 • —
lots of less than 500 million units 1,000,000 units. .21 • —
Prices above are based on the USP XIII method of conversion E x 1894.
Vitamin A, natural, acetate, 200,000 to 400,000 A units per gm., bots., cns., dms., lots of 500 million units or more 1,000,000 units. .17 • —
lots of less than 500 million units 1,000,000 units .21 • —
Over 400,000 A units per gm., bots., cns., dms., lots of 500 million units or more 1,000,000 units. .18 • —
less than 500 million units. 1,000,000 units. .22 • —
Prices above are based on the USP XIV method of conversion Morton-Stubbs Corrected E x 1900.
A, natural, concentrates (see Oil, fishliver).
A, synthetic acetate, 1,000,000 A units, per gm 1,000,000 units. .18 • —
A, synthetic palmitate, 800,000 A units per gm., frt. adjstd. 1,000,000 units. .18 • —
B (see Thiamine hydrochloride)
B2 (see Riboflavin)
B complex, natural (see Rice bran concentrate and Yeast).
B6 (see Pyridoxin hydrochloride).
B12, vials, 25 100 and 500 milligram lots, milligram. .98½ • —
C (see Acid, ascorbic)
D (see Oils, codliver and fishliver, Calciferol and Viosterol)
D2 (see Calciferol).
Vitamin E (see Alphatocopherol and Oil, wheat germ).
G (see Riboflavin)
P-F (see Acid, nicotinic, and Nicotinamide).
H (see Biotin)
Violet, methyl toner (see Blue, methylviolet toner)
V.M.P naphtha (see Petroleum naphtha).

W

Wahoo root bark, bls lb 1.50 1.75
Tree bark bls lb 53 .75
Warfarin, dms. 50 lbs., f.o.b. N. Y or Chicago lb. 1.95 • —
25-49 lbs., same basis lb 2.05 • —
5-24 lbs., cns., same basis lb 2.15 • —
Wattle bark, fair average or E Afr., bgs., ex dock ton. 67.50 • —
merchantable, bgs. ex dock, ton. 65.00 • —
extract, liquid, 35% tannin, bbls., works lb. .07½ .08
solid E Afr., 61% tannin ex dock, duty extra lb. .07½ —
S Afr. 62% tannin ex dock, duty extra lb. .07½ —
Wax, amorphous (see Wax microcrystalline)
Bayberry, bgs., spot lb. 44 • .45
Bees, bleached, USP, bricks, cs. lb. .68 • .69
slabs, bgs lb. .67 • .68
crude, African, bgs lb. .52 • .53
Brazilian, bgs lb. .55 • .57
Cent. American, bgs lb. .50 • .51
refined, yellow, bricks, cs. lb. .59 • .60
slabs, bgs lb. .58 • .59
Candelilla, crude, bgs lb. .60 • .65
refined, bgs lb. .65 • .70
Powdered candelilla, 20 mesh, 5c. per lb. extra; 80 mesh, 5½c.; 100-200 mesh, 6c.
Carnauba, chalky, bgs., ton lots. lb. No stocks.
North Country, No. 2, ton lots. lb. .92 Nom.
No. 3, crude, bgs., ton lots. lb. .90 • .92
refined, bgs., ton lots. lb. .96 • .98
yellow, No. 1, bgs., ton lots. lb. 1.18 • 1.20
No. 2 lb. 1.16 • 1.18
Powdered carnauba price differentials same as powdered candelilla.
Japan, bgs lb. .60 • .63
Microcrystalline, 170°-175° m.p., ASTM amber ctns., 20,000 lbs. group 3, works lb. .14 • —
Less than 20 000 lbs., same basis lb. .15 • —
black, ctns., 20,000 lbs., same basis lb. .12½ • —
Less than 20,000 lbs., same basis lb. .13½ • —
white, ctns., 20,000 lbs., same basis lb. .25 • —
Less than 20,000 lbs., same basis lb. .26 • —
180°-185° m.p., ASTM, black, ctns., 20,000 lbs., same basis lb. .14½ • —
Less than 20,000 lbs., same basis lb. .15½ • —
amber, ctns., 20,000 lbs., same basis lb. .16 • —
Less than 20,000 lbs., same basis lb. .17 • —
white, ctns., 20,000 lbs., same basis lb. .27 • —
Less than 20,000 lbs., same basis lb. .28 • —
190°-195° m.p., ASTM, amber, ctns., 20,000 lbs., same basis lb. .20½ • —
Less than 20,000 lbs., same basis lb. .21½ • —
black, ctns., 20,000 lbs., same basis lb. .19 • —
Less than 20,000 lbs., same basis lb. .20 • —
white, ctns., 20,000 lbs., same basis lb. .33½ • —
Less than 20,000 lbs., same basis lb. .34½ • —
Montan, dom., black, raw lb. .25 • .25½
refined lb. .31 • .32
Imported Bohemian, bgs lb. .15¾ • .16
German, bgs lb. .17 • .18
Ouricury, refined, bgs., ton lots lb. .90 Nom.
Paraffin (see P.)
Spermaceti, blocks, cs lb. .24 .27
cakes, cs lb. .25 • .28
Sugar cane, crude, imp., bgs lb. .35 • .37
refined, dom., slabs, works lb. .60 • .65
imp., bags, N. Y. lb. .40 • .42

White lead (see Lead, white).
White pine bark, rossed, bls lb. .18 • .20
White precipitate USP powd., dms. 50 lbs lb. 2.00 —
Whiting, limestone, dry-grd., 99.5%, 325 mesh, bgs. c.l. works, ton 6.00 10.00
smaller lots works ton 6.50 15.00
wet-grd., bgs., c.l., works ton 16.00 30.00
smaller lots works ton 21.00 35.00
Paris white, bgs., c.l ton 24.00 31.00
l.c.l. whse. ton 25.00 40.00
Precipitated, bgs., c.l ton 18.00 20.00
l.c.l. ton 25.00 35.00
Wild cherry bark thick, natural, bls lb .06 .07
rossed, bls lb. .18 • .19
thin, natural, bls lb. .15 • .16
rossed, bls lb .16 .17
Wild indigo root bls lb 30 .31
Wild yam root bls lb 16 17
Witch hazel leaves, bls lb. .20 • .22
Woodflour 40 mesh bulk c.l., works, East ton 32.00 —
l.c.l. same basis ton 40.00 —
60 mesh, bulk, c.l. same basis ton 37.00 • —
basis ton 37.00 • —
l.c.l. same basis ton 45.00 —
80-100 mesh, bulk, c.l., same basis ton 40.00 45.00
l.c.l. same basis ton 50.00 55.00
Woodflour in bgs extra, returnable
Woolfat (see Lanolin)
Wormseed, American, bgs lb 13 14
Levant, bgs lb. 4.50 5.00
Wormwood leaves, bls lb .35 .45

X

Xanthorrhiza root, bls lb 28 .30
Xylene (see Xylol).
Xylenol, cryst., 56°-58°C. m.p., ret. dms., c.l. works, frt equald lb. .193 • —
l.c.l., same basis lb. .196 • —
tanks, same basis lb. .18 —
45°-47°C. dms., c.l. frt equald lb. .153 • —
l.c.l., same basis lb. .156 • —
tanks, same basis lb. .14 • —
fractions, over 7°C., b.p., except meta, dms., c.l., same basis gal. 1.01 • —
l.c.l., same basis gal. 1.04 • —
tanks, same basis gal. .90 • —
Meta fraction, over 7°C. dms., c.l., same basis gal. 1.11 • —
l.c.l., same basis gal. 1.14 • —
tanks, same basis gal. 1.00 • —
Xylidins mixed dms lb 45 50
Xylol, coaltar, industrial, tanks, works—
Bethlehem, Pa gal. .27 • —
Birmingham district gal. .26½ • —
Chicago district gal. .29½ • —
Cleveland district gal. .29 • —
Lone Star, Tex gal. .25 • —
Geneva, Utah gal. .21 • —
Hamilton, Ohio gal. .26 • —
Johnstown, Pa gal. .25 • —
Lackawanna, N. Y. gal. .27 • —
Lorain, Ohio gal. .27 • —
Minequa, Colo gal. .27 • —
Philadelphia, Pa gal. .27 • —
Pittsburgh district gal. .26 • —
Sparrows Point, Md. gal. .27 • —
St. Louis, Mo gal. .28 • —
Syracuse, N. Y. gal. .24½ • —
Terre Haute, Ind. gal. .27 • —

Vinylpyridin—Yellow, Cadmium

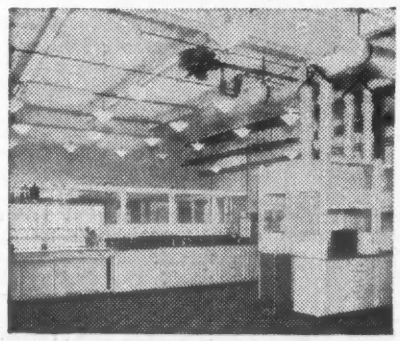
Xylol, coaltar, industrial, tanks, works, Wyandotte, Mich. gal. .27 • —
Youngstown, Ohio gal. .24½ • —
Petroleum, indust., 10° tanks, works:—
Albany, N. Y gal. .30 • —
Bayonne, N. J. gal. .30 • —
Baytown, Tex. gal. .28 • —
Chicago, Ill. gal. .30 • —
Detroit, Mich. gal. .30 • —
Philadelphia, Pa. gal. .30 • —
Providence, R. I. gal. .30 • —
Wood River, Ill. gal. .30 • —

Y

Yara, yara, cns lb 2.00 2.25
Yeast, brewer's dry, USP, 50 B units per gram 100-lb dms lb 44 46
80 B units per gram 100 lb. dms lb 49 51
200 B units per gram 100 lb. dms lb .53 .55
300 B units per gram, 100 lb. dms lb .57 .59
Yellow, barium chromate, CP bgs., l.c.l., dlvd N of Tenn and N. C., E of Miss. including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul lb. 2.80 • —
Barium chromate yellow price differentials in other States and city zones are those for chrome yellow below
Benzidin, bbls., dlvd. lb. 1.60 • 1.70
Cadmium, CP, all shades, bbls., frt. alld. E. of Rockies lb. 2.65 • 2.80

—Continued on page 74

★ Large Capacity
★ Latest engineered process equipment



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Time to Get Ready

The National Security Resources Board has set up a committee on mobilization policy. The new unit has twelve members, numerically equally representative of business management (designated as "industry"), labor, agriculture, and the public. The three representatives of industry are the top officers of three national organizations in economic development, manufacturing, and commerce. All are connected with manufacturing enterprises. Quite naturally, the representatives of labor are the heads of the two big labor organizations and a slightly lesser group of machinists.

It goes without saying that the mobilization policy of labor will be dictated—in both directions—by its representatives on the NSRB committee. That cannot be said with respect of industry, as thus designated in the make-up of the committee. So, business management, in production and in distribution, must get at the task of fully organizing its facilities in accordance with a properly considered and constructed program, and giving its representative policy-makers all necessary advice and information. There is a job to be done, and it must be done right—and promptly.

These are times when one should exudate optimism but ruminate pessimistically. Those, especially those in high public offices, who say that there is no need to restrict the normal trends of economic practices, because the fuss in Korea is a minor and temporary affair, are, to be gentle with them, woefully myopic. Tomorrow is not the day to be looking to and preparing for. That day is distant by, perhaps, a year, perhaps, more. But, it is coming fast, and it must be prepared for. And the required preparation is far more a matter of facilities than it is of funds.

Industrial mobilization committees are being organized in various industrial groups. They should be made ready in every group. The extent of their functioning is a matter for special determination. It is advisable that they have a progressive program, with full authority to advance step by step as is possible. Progress should not be conditioned upon necessity nor upon desire. It should aim at all that is to be done, whatever may eventuate, and it should reach that goal as speedily as possible, at least, insofar as planning and readiness are concerned. Then, when the necessity for conversion comes, little, if any, disruption will attend the transition.

In many militaristically important industrial groups, mobilization plans are still largely confined to individual companies. In the chemical and related areas, consideration is being given to programs of centralized planning and advising. Several of the national organizations of the component groups are disseminating information, and some are going farther with the collection of data than the stages reached in earlier cooperation with the National Security Resources Board. They are taking an important part in the activities of the National Security Industrial Association.

It is most desirable that the chemical and related industries, all of which have a more than ordinary role in the attainment of national military preparedness, be promptly organized for their part in whatever is to be done. Their programs should include a goodly measure of self-restriction with regard to trends which are the natural results of ill-considered procedure. Those industries are a national asset. Their resources must not be dissipated through any lesser motive than national service.

Concerning Medical Service

It appears that, even with respect of the armed forces, the providing of adequate medical service is not being voluntarily undertaken by the medical profession. It is true that the American Medical Association has asked doctors to enlist for military service. But, it has not issued any order in that respect as it did about contributing to the fund for fighting governmental health insurance projects.

Although there is no evidence that the feeling exists among the government executive branch officials who have been active in promoting nationalized medical care, there have been several outbursts by congressmen about "medical shirkers;" government-educated doctors and dentists who do not volunteer for military service. One bill has been introduced, which would require doctors, dentists, and medical technicians to register for the draft. A second bill aims at the registration and induction of certain doctors and dentists. Another congressman has recommended to the house armed service committee that "shirkers" be given twenty-five days to volunteer or be drafted by executive order.

Meanwhile the medical program of congress has got somewhat mussed. In June, a house committee shelved the aid-for-medical-education bill. Later the proposal was revived; but it was shelved again last week. The measure had been passed by the senate. Another house committee two months ago shelved the bill proposing a research program in crippling diseases. Early in the current month, senate action on a conference report cleared to the President an amendment to the Public Health Service act to support research and training in those diseases.

There can be no question of the desirability of research in crippling diseases. It is not desirable that the research be left to government agencies. But, the medical schools of the country and other more or less qualified private agencies are not in position to take on the research; they are not financially able to meet the needs for more medically trained service for the public. That, however, is no reason why the government should finance them.

Various philanthropic funds have contributed substantially to medical schools in the past few years, extending their grants to other than research projects previously getting most of the help. In addition, some recent individual bequests have provided substantial financial assistance in the field of medical education. Goodly sums have been willed particularly for the assistance of needy medical students. There is a bigger need on the part of schools which now must deny entrance to many students who are not in need of financial assistance. The collecting, not necessarily by assessment, by medical organizations of funds for that purpose, because it would be recognized as an endeavor to provide more adequate medical service, would appeal far more strongly to public sentiment than will any spending of millions in opposition to the government's stepping into a breach in public need. The public feels that something should be done. In large part, it has no particular care who does it.

For the Bookshelf

WALLBOARD PRODUCTION AND USES. Paper; 183 pages. New Haven, Conn.: Northeastern Wood Utilization Council. $4.

This bulletin No. 31 of the Northeastern Wood Utilization Council contains the report of a conference held in Cambridge, Mass., in September, 1949, in cooperation with Harvard University. The contents comprise the full text of eight papers and commentaries contributed to the conference, and summaries of the discussions and other proceedings. The topics are of special interest from the angles of utilization of wood wastes and technics of resin-bonding.

The subjects of the papers comprised variables affecting the properties of wood-waste molding, resin-bonded wood-waste panels, plaswood and wonderboard, continuous-process production of wood-waste boards, and factory equipment. Graphs, tables, and pictures are given in connection with various aspects. The objective was information on types, quantities, and processes which would be of service to those desiring to utilize wood waste. The potentialities in the wallboard field are many—so are the problems.

TOWARD WISER USE OF WOOD. Paper. 36 pages. Madison, Wis.: Forest Products Laboratory Employees' Association.

The employees of the Forest Products Laboratory have compiled and published—not at government expense—this booklet primarily as a tribute to the men and women who founded the laboratory forty years ago and have guided it. Their product is a very readable contribution to the usually dry—tinder-box, in fact—treatise on conservation of arboreal resources.

The chapter headings are intriguing:—The Picnic; The Long Trail; Hidden Penalties; Tools for a Job; Toward a Beginning; Outline for a Job; The Shadow and the Light; Today. All are aimed at adequate understanding of the words of Theodore Roosevelt:—"Forestry is the preservation of forests by wise use."

TECHNICAL DEVELOPMENTS IN PACKAGING. Packaging series No. 29. Paper; 31 pages; 50 cents.

IMPROVING THE EFFICIENCY OF PACKAGING PRODUCTION. Packaging series No. 30. Paper; 40 pages; 75 cents.

COST PRODUCTION IN MATERIALS HANDLING AND SHIPPING. Packaging series No. 31. Paper; 50 pages; $1.

These three booklets in the broad service series of the American Management Association are in keeping with the value of their predecessors in various lines. They tell what it is useful to know. Their contents are based on papers presented at the 1949 AMA conference on packaging, packing, and shipping.

The papers in No. 29 are particularly interesting; they have to do with plastic bonding technics, insectfree packaging, and packaging uses of polyethylene. The contributors are competent. No less is to be said with reference to the working suggestions, information, and advice contained in the other two booklets. They cover a broad and important field, and they do a good job.

Washington Talks It Over

—Continued from page 5

The commodity divisions would allocate critical commodities in much the same fashion as WPB did during the last war. Controls over inventories are expected to be the first mandatory actions undertaken when the new authority is approved by congress; mandatory controls over distribution of materials will come after a period of voluntary allocations.

Some of the commodity men now in the various divisions of the Commerce department will move into the Defense Production Administration; but, by and large, the agency will be staffed with men directly out of industry who are thoroughly acquainted with the problems of industry.

H. B. McCoy, director of the Office of Industry and Commerce, who has been going over the administrative machinery set up with industry representatives has suggested that they submit names of qualified persons for the jobs that will be open. The chemical industry submitted a list of such names last week.

Health Care for Indo-China

Through the aid of ECA dollars and U. S. Public Health Service experts, a major effort is underway to raise the health standards of Indo-China. The initial phases of the program call for the use of $716,000 worth of drugs, insecticide sprays, and related equipment.

ECA has issued ten procurement authorizations for Vietnam to finance shipments of chloroquine diphosphate and penicillin to treat malaria and other infectious diseases, DDT to be sprayed in areas infested with malaria-carrying mosquitoes, and medical and other equipment needed to carry out the health program. The first shipment, consisting of about $60,000 worth of the disease-fighting materials, already has been delivered and local health workers, assisted by a group of USPHS experts, are beginning the first stages of the program.

Included in the first shipments were chloroquine diphosphate tablets valued at $17,000; penicillin costing $3,250; DDT and sprayers worth $40,000; and syringes and needles purchased for $439. Other drugs and insecticides, as well as scientific and professional instruments and motor vehicles, will be procured. They include $390,000 in medicinal and pharmaceutical preparations, $105,000 in agricultural pesticides, $50,000 in scientific and professional instruments, and $60,000 motor equipment.

The program will be enlarged to include the other Indo-China states of Laos and Cambodia.

Industrial Safety Program

With the nation's productive machinery being geared up to meet the demands of the military preparedness program, an intensified effort to reduce industrial accidents is urgent as a means of conserving manpower.

Secretary of Labor Maurice J. Tobin points out that our current high levels of production and employment mean that we have a smaller reservoir of skilled and semiskilled workers than when the defense effort of 1940 began. The drain on manpower will thus be felt more quickly in current defense production. It is imperative, therefore, that we do everything in our power to plug the leaks in productive time and effort that come from job injuries.

In 1949 President Truman challenged American industry and labor to reduce industrial accidents 50 percent by 1952. At the June Industrial Safety Conference this year, the President noted that accidents in the preceding year had gone down by 7 percent. In times of increased industrial activity, however, accidents increase, and this can be expected to be the case this year.

Heavy Chemicals

Advances continued to predominate in the market for heavy chemicals last week. Upward price revisions were recorded in aluminum chloride anhydrous, calcium nitrate, metallic lead, phosphoric acid in tankcars, sodium molybdate, sodium stannate, tin chloride, crystals sulphate and tin tetrachloride. Tin oxide was in process of an upward revision at press-time. Metalic tin again fluctuated violently and established a new high price record for the year but subsequently reacted. Lead nitrate advanced in sympathy with the metal.

Some light soda ash in bulk came out of Baton Rouge and a little out of the strike-bound plant at Detroit but the supply of soda ash remained definitely tight. The current shortage, combined with the scarcity of dry caustic soda and chlorine, is reflected in a broad range of difficulties in the consuming trade and materials processed with these chemicals are becoming shorter with each successive week. War scared buyers have over-run the markets for nickel salts and forced producers to adhere strictly to an allocation program. The agricultural demand has passed its peak for copper sulphate and, with increased production reaching the market, prospects for the restoration of normal conditions in the near future appear favorable. Increased production of sodium chlorate is also expected shortly. No easement in the supply of sulphuric acid could be noted and stocks of muriatic acid have definitely tightened.

Although United States production levels of industrially important inorganic chemicals were generally lower in June than those reported for May, 1950, they were higher than for June, 1949, according to the Bureau of the Census. Of the 37 chemicals included in this survey, only 6 were produced in larger volume during June than during May, while 30 were produce ' in larger volume and three in smaller volume than during June, 1949. Gains over last month's figures were reported for the production of calcium arsenate, carbon dioxide, sodium metaphosphate sodium tetraphosphate, sodium bichromate and chromate and zinc yellow. The quantities produced in June, 1950, also exceeded the amounts for the corresponding period of last year for all of the "heavy volume" chemicals included in the survey except for soda ash.

Paper production based on a percentage of six-day capacity was 105.0 percent for the week ending August 12, according to the American Paper and Pulp Association. This compared with 106.5 in the preceding week and 85.9 for the corresponding week in 1949.

Production figures appearing below, unless otherwise designated, are from the Bureau of the Census, Department of Commerce.

Aluminum Chloride—Price of the anhydrous grade was advanced 1c. per pound to 12c. for carlots and 12½c. for l.c.l. at the works. Higher producing costs occasioned by an increase in secondary metal prices were primarily responsible for the upward revision.

Ammonium Anhydrous—Market steady under a seasonal demand, which is being covered without difficulty. June production of synthetic totaled 127,295 tons, compared with 133,842 in the preceding month and 103,217 tons in June last year.

Ammonium Thiocyanate—One producer has advanced the price to 18c. per pound for carlots (20 tons), 19c. for truckloads (10 tons) and 20c. for smaller quantities, f.o.b. the works. In other quarters no change has been made to date.

Arsenic—Purchases for calcium arsenate and other insecticides this season were larger than generally expected. The supply situation has continued comfortable, with the carlot price firm at 5½c. per pound delivered.

Calcium Nitrate — Technical crystals priced higher at 10c. per pound in barrels for truckloads (10 tons) and at 12c. for smaller lots, f.o.b. the works. The upward revision is attributed to higher producing costs.

Chlorine—Supply conditions exceedingly tight, with output considerably below the current demand level. June production was off nearly 10,000 tons from May, owing to cutback production which started June 12. The totals show 167,721 tons of chlorine gas in June, against 177,269 in May. In June last year production totaled 134,572 tons.

Copper Sulphate—Trend is toward improvement in the supply of this material. The peak demand for agriculture has passed and new production is reaching the market in sufficient quantities to level off demand in the not far distant future. October shipments are available, with only Florida and Maine left to be supplied. The Florida demand usually extends through November, while the outbreak of blight in Maine has brought in some new business from that state. Industrial demand has held at a high level, and it is expected that export inquiry will increase this Fall. Prices continued firm but unchanged.

Lead Nitrate—Priced higher at 20c. per pound in barrels, carlots and 20¼c. in less. Increased producing cost occasioned by an advance in the metal was responsible for the upward revision.

Potash, Caustic—Supply situation did not improve last week. Low production occasioned by a strike-bound plant has prevented any easement in buying conditions while demand has continued active particularly from the soap trade.

Potassium Carbonate — Glass specialty plants are facing a difficult problem owing to the shortage of this material and soda ash and glass production has decreased substantially. No important improvement in the supply situation could be noted.

Potassium Chlorate — Buying interest from match factories and other consumers has increased. Production for 75 percent of September has been booked. The chlorine shortage has kept output down.

Potassium Perchlorate — Demand has increased sharply for this material from railroads and from sources affiliated with the fireworks trade. Available stocks have tightened appreciably.

Soda Ash—Limited crews maintained a low production of light ash in bulk at Baton Rouge and Detroit followed similar lines last week. While this accorded a minimum amount of help, the supply situation remained exceedingly tight with demand urgent. June production of light ash by the ammonia soda process was 148,977 tons, compared with 193,221 in May and 152,667 tons in June last year. Production of dense was 108,810 tons in June, against 145,530 in the previous month and 114,015 tons in June last year. Output of natural in June was 19,970 tons, compared with 20,850 in May and 17,820 tons in June 1949.

Soda, Caustic—There were no developments last week capable of easing the supply situation. Available stocks were shorter, the scarcity of the dry forms being pronounced. June production of liquid by the electrolytic process was 163,215 tons, including 32,492 of solid, against 170,477 tons of liquid including 31,085 tons of solid in May and 126,568 tons of liquid including 18,834 tons of solid in June 1949. June output by the lime-soda process was 37,621 tons of liquid including 8,416 tons of solid, compared with 49,164 tons of liquid including 13,985 tons of solid in May and 43,715 tons of liquid including 11,489 tons of solid in June 1949.

Sodium Bicarbonate—Supply situation tight as a result of the shortage in soda ash. June production of refined was down to 8,568 tons, compared with 12,225 in May and 11,341 tons in June last year.

Sodium Chlorate — Still exceedingly tight for spot or shipment owing to heavy

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Aluminum chloride, anhyd., 1c. per lb.
Calcium nitrate, 3c. per lb.
Lead, metallic, 1c. per lb.
nitrate, 1c. per lb.
Phosphoric acid, good grade, 75 percent, tankcars, ¼c. per lb.
Sodium molybdate, anhyd., 6c. per lb.
stannate, 1.8c. per lb.
Tin chloride, 2.1c. per lb.
crystals, 3c. per lb.
sulphate, 2.3c. per lb.
tetrachloride, 2c. per lb.

Prices Reduced

Tin metal, 3c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

General Chemicals

Last week	Prev. week	Last month	Dec. 30, 1949	Aug. 19, 1949
225.5	225.5	223.4	216.4	222.4

Acids

Last week	Prev. week	Last month	Dec. 30, 1949	Aug. 19, 1949
122.2	122.2	121.9	121.8	121.8

(For Current Prices see Page 9)

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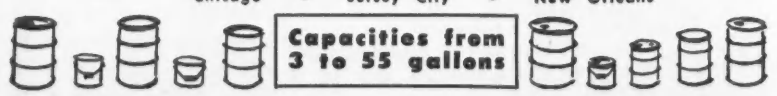

commitments of the eastern producer. Work to increase this plant's production is nearing completion with possibilities of activities starting in October.

Sodium Molybdate — Priced higher at 60c. per pound in barrels, works, for the anhydrous grade. Increased producing costs primarily responsible for the upward revision.

Sodium Phosphate—Production of the different forms has been lowered by the scarcity of soda ash, and the markets are generally tight, with some suppliers forced to short ship against consumer contracts. The effect of the pinch in soda ash was not reflected in the Census Bureau's June figures. June production of monobasic showed 1,178 tons, against 1,186 in May and 1,017 tons in June, 1949. Output of dibasic in June was 13,672 tons, compared with 13,729 in May and 9,046 tons in June last year. June production of tribasic was 5,549 tons, against 5,789 in May and 5,016 tons in June last year.

Tin Salts—Prices were higher at the close of the week, following the up-and-down movements of the metal market. The breakdown shows tin chloride stannous anhydrous at 88.45c. to 89.45c. per pound, crystals hydrous 73½c., sulphate stannous 99.24c. to $1.0124, tetrachloride anhydrous 62c. to 63c. and sodium stannate at 58.7c. to 64.1c. per pound, freight allowed East, other prices are at the works.

Acids

Chromic—Supply situation continued tight with demand active for plating requirements and production down as a result of the tight position of sodium bichromate.

Formic—Finding a fairly steady outlet to textile mills for dyeing requirements. Stocks meeting demand without difficulty at former price levels. Producers not offering for export on account of carboy shortage.

Hydrofluoric — Supply situation comfortable with demand increased and leaning toward further expansion. Production of anhydrous and technical in June amounted to 2,884 tons, compared with 3,283 in May and 2,295 tons in June 1949.

Muriatic — Consumer interest has increased sufficiently to tighten the supply position. Output in June totaled 50,635 tons including 12,019 made from salt and acid, 11,058 from chlorine and hydrogen and 27,558 tons as byproduct and from other sources.

Oxalic — Demand has increased sufficiently to reduce producers' stocks. Output has been slowed down by plant vacations while inquiry has picked up, probably by the war scare. While there is no real shortage of stocks in sight, one of the producers is not considering shipments this side of October.

Phosphoric—Firm in sympathy with the strong position of basic material. The tankcar price is higher at $4.75 per 100 pounds works freight equalized with recognized competitive points for the 75 percent food grade. Carboys were unchanged at $6.50 carlots, same basis as tanks.

Sulphuric—Maintenance of heavy consuming demand has kept the supply situation exceedingly tight. June production was 1,041,288 tons, gross and included 226,333 tons by the chamber process and 814,955 by the contact process. The gross for May was 1,104,335 tons and 901,132 for June 1949. The amount of fortified acid in June was 73,030 tons, against 70,510 in the preceding month and 60,744 in June last year.

Nonferrous Metals

Aluminum — To meet the continuing high consumer demand for aluminum products, the industry produced 360,707,827 pounds of primary aluminum during the second quarter of 1950, the Aluminum Association reports. This is about 12 per cent above the 322,425,008 pounds produced during the first quarter of the year, and it is the largest amount of metal turned out by the industry in any quarter since the second quarter of 1944. Shipments of aluminum sheet and plate by Association member companies (about 98 percent of the U. S. total) during the second quarter totaled 271,157,929 pounds, about 4.5 per cent above the 259,772,157 pounds shipped during the first quarter. It was stated that the Association's foundry division shipped 2,479,705 pounds of permanent-mold rough castings (excluding pistons) during June; these shipments had a total value of $1,100,600.

Antimony—Bureau of Mines states that antimony recovered in 1949 from lead and tin-base scrap totaled 18,061 short tons valued at $13,990,051, a 16 percent decrease in quantity from the 21,592 tons valued at $15,835,573 reclaimed in 1948. Of the total secondary antimony recovered 16,286 tons was reclaimed at secondary copper and lead smelters and 1,775 tons at primary lead refineries. New supply of primary antimony from domestic and foreign sources available for consumption

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in 1949, in terms of recoverable metal, was 11,947 tons.

Copper—Supplies described as critically tight with shipments being allocated to contract consumers. Electrolytic priced at 22½c. per pound delivered Valley basis.

Producers' stocks of refined copper dropped 2,061 tons in July to 48,266 tons—lowest in six years, the Copper Institute reported. Refined copper production dropped to 96,734 tons in July from 113,961 in June. Mine output of crude copper was down to 76,640 tons from 78,962 in June (revised). Secondary copper output—trimmed by reluctance of scrap metal dealers to sell in a rising market—fell to 8,675 tons from 17,792 in June.

Lead—Priced higher at 13c. per pound New York and 12.80c. St. Louis. Increased demand and short stocks was responsible for the upward revision.

The transition in lead supply from insufficiency to abundance accompanied by falling prices highlighted the domestic lead industry in 1949, according to the Bureau of Mines. Noteworthy also was the consumers' cautious buying and general lack of confidence in price stability which resulted in purchases of quantities substantially smaller than actual needs and an 18-percent reduction in consumers' inventories during the year. Some stability was rendered the lead market by the Government through purchase during the year of substantial tonnages of pig lead for the strategic stockpile. Contributing to the expanded supply was the high level of imports prevailing in 1949 which resulted in an accumulation of nearly 400,000 tons of lead from foreign sources, the largest annual tonnage imported in the peacetime history of the United States.

Magnesium—Net shipments of magnesium wrought products in June were 1,198,000 pounds as compared to 850,000 pounds in May and 752,000 pounds in June, 1949.

Quicksilver—No important change in prices was recorded last week. Spot in small lots held at $80 per flask. September-October arrivals 1,000 flask lots $75 to $76 and 100 flask lots at $89.

Silver—Absence of new developments left the market steady and unchanged at 72¾c. per ounce New York basis.

Tin—Continued to swing upward with demand active early in the week. The advance registered new high price levels for the year when sales were recorded at $1.08 per pound. Prices reacted in the late trading and sales were made at $1.02.

Zinc—Suppliers have continued to allocate material to regular consumers and the supply position remained tight for spot and for September-October shipments. Prime western firm at 15c. per pound East St. Louis.

Huber Has $6,000,000 Expansion Program Set

The J. M. Huber Corporation, New York, will spend approximately $6,000,000 this year for new plants and new oil and gas wells, H. W. Huber, president, reported to stockholders July 31. He gave as a reason for this expansion program the fact that sales for 1950, based on operations for the first six months, will average 20 percent more than in 1949.

The Huber company recently announced that it will erect a new furnace carbon black plant at Baytown, Tex., near Houston, costing $1,500,000. The annual capacity will be 30,000,000 pounds of carbon black. Mr. Huber also announced that the 1950 drilling program includes more than 100 oil and gas wells. Huber owns and operates some 400 wells in Texas, Kansas, Wyoming and Colorado.

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Acetic acid, glacial, 4,560 pounds, Veterans Administration (Washington 25) invitation A-14, August 29.

Acetic anhydride, 1,032 pounds, Veterans Administration (Washington 25) invitation A-14, August 29.

Adhesives: balsam cement, 300 sticks, adhesive cement, 1,000 gallons, and fire-resistant coating, 3,300 gallons, Navy Department (Aviation Supply Office, Philadelphia 11) invitation B-51,277, September 8; mucilage, 49,920 four-ounce bottles, Quartermaster Procurement Agency (New York 3) invitation 115, September 8; glue, 2,845 pounds, and adhesive bond for fiberglass, 815 gallons, Quatrermaster Depot (Jeffersonville, Ind.) invitation DA-23, August 22.

Aluminum oxide, 20,000 pounds, Government Printing Office (Washington 25) August 23.

Antifreeze, 225,500 gallons, Army Ordnance Department (Raritan Arsenal, Metuchen, N. J.) invitation 51, August 24; 275,000 gallons, invitation 52, August 24.

Aureomycin hydrochloride, 240 bottles, Panama Canal (Purchasing Department, Washington 25) invitation C-7490, August 22.

Boric acid, 16,230 pounds, Veterans Administra- (Washington 25) invitation A-14, August 29.

Cyanides, sodium, 1,950 pounds, and potassium, 275 pounds, U. S. Air Force (Kelly Base, Texas) invitation 105, August 22.

Desiccant, activated, 2,850 drums, Army Ordnance Department (Raritan Arsenal, Metuchen, N. J.) invitation 54, August 24; 10,700 drums, invitation 53, August 24.

Food coloring, 228 bottles, Federal Supply Service (Washington 25) invitation 1D-91735-R, August 28.

Ink, duplicating machine, black, climate proof, 113,000 pounds, Quartermaster Procurement Agency (New York 3) invitation 116, September 8; stencil, 14,284 pounds, Federal Supply Service (Washington 25) invitation 2H-91590-R, August 25; drawing, 1,732 ¾-ounce bottles and 48 pint bottles, Federal Supply Service (Dallas, Texas) invitation FW 10481, August 30; drawing, 1,680 bottles, invitation FW-10481, August 29; drawing, 2,760 bottles, Federal Supply Service (Kansas City, 6, Mo.) August 29.

Joining compound, 15,000 pounds, District of Columbia Purchasing Division (Washington) schedule 14550, August 23.

Lime, soda, 9,000 pounds, Navy Purchasing Office (New York 3) invitation 7104, August 30; chlorinated, 360,000 pounds, invitation 7108, August 30.

Methyl ethyl ketone, 3,300 gallons, Navy Department (Aviation Supply Office, Philadelphia 11) invitation B-51,279, September 8.

Olive oil, 10,116 cans, Armed Services Medical Procurement Agency (Brooklyn 1, N. Y.) invitation 100, August 28.

Paint, varnish, lacquer, and enamel: varnish, approx. 400 gallons, U. S. Air Force (Kelly Base, Texas) invitation 110 August 23; paint, various, 2,345 gallons, enamel, 525 gallons, varnish, 150 gallons, Army Chemical Center, Md; lacquer, obliterating, 300 gallons, enamel lacquer, 6,500 gallons, and concentrate, 1,000 gallons, invitation 102, August 24; enamel, District of Columbia Purchasing Division (Washington) invitation 14532, August 23; paint, aluminum, 300 gallons, invitation 14544, August 23; paint, metal exterior, 350 gallons, Public Buildings Service (Dallas, Texas) August 23; lacquer, spraying, type II, 856 gallons, Navy Department (Aviation Supply Office, Philadelphia 11) invitation B-51,269, September 8; varnish, mixing, 2,000 gallons, invitation B-51,261; paint, traffic, 4,730 gallons, varnish, shellac, 10,000 gallons, and spar, 5,000 gallons, invitation B-51,251, September 6; primer, 1,333 gallons, enamel, 1,980 gallons, Quartermaster Depot (Jeffersonville, Ind.) invitation DA-23, August 22; paint, 1,130 gallons, Federal Supply Service (Washington 25) invitation 56-91631-R, August 22; paint, floor, 850 gallons, and primer, 84 gallons, Federal Supply Service (New York 13) invitation NY-W-23705, August 29; enamel, 966 gallons, invitations NY-585, NY-814, 817,818, August 28.

Peppermint oil, 1,728 bottles, Armed Services Medical Procurement Agency (Brooklyn 1, N. Y.) invitation 100, August 28.

Petrolatum, liquid, 19,416 cans, Armed Services Medical Procurement Agency (Brooklyn 1, N. Y.) invitation 100, August 28; solid, 28,800 half-ounce packages, invitation 99, August 29.

Phenothiazine insecticides, U. S. Air Force (Wright-Patterson Base, Dayton 1, Ohio) invitation 096-43, September 1.

Pigments: aluminum paste, 4,000 pounds, Navy Department (Aviation Supply Office, Philadelphia 11) invitation B-51,261, August 31; red lead in oil, 6,000 pounds, and white lead in oil, 6,000 pounds, invitation B-51,251, September 6.

Putty, linseed oil, 10,000 pounds, Navy Department (Aviation Supply Office, Philadelphia 11) invitation B-51,251, September 6.

Salt, rock, 40 tons, Federal Prisons Medical Center (Springfield, Mo.) invitation 17-2285, August 29.

Silica, colloidal, 22,800 pounds, Public Building Service (Washington 25) invitation 152, August 25.

Soap, powdered, 30,000 pounds, Federal Supply Service (Washington 25) invitation 91789-3, August 30; laundry chip, 80,000 pounds, invitation 91994 (3), September 5; borax compound with approx. 3% lanolin, 60,000 pounds, Federal Supply Service (Dallas, Texas) invitation FW-10329, August 28; laundry chip, 21,450 pounds, bar, 5,880 pounds, and powdered, 6,200 pounds, invitation FW-10417, August 23; toilet, 30 cases, Federal Supply Service (Chicago) invitation 25273, August 30; 100 cases, invitation 24263, August 30; 25 cases, invitation 24264, August 30; laundry, chip, 6,000 pounds, cake, 18,000 pounds, toilet, 22,500 2½-ounce cakes, and 18,000 six-ounce cakes, Federal Supply Service (New York 13) invitation NY-W-23733, August 22.

Soda, caustic, 1,600 pounds, and laundry, 4,760 pounds, Federal Supply Service (Dallas, Texas) invitation FW-10269, August 28.

Sodium nitrite, 21,504 bottles, Veterans Administration (Washington 25) invitation A-13, August 28.

Sodium phosphate, 2,472 bottles, Veterans Administration (Washington 25) invitation A-13, August 28.

Sodium thiosulphate, 5,500 pounds, U. S. Air Force (Kelly Base, Texas) invitation 105, August 22.

Sulphuric acid, 950,000 pounds, Army Ordnance Department (Raritan Arsenal, Metuchen, N. J.) invitation 49, August 24; 1,330,000 pounds, invitation 50, August 24.

Tablets, including, magnesium hydroxide, nicotinamide, papaverine hydrochloride, propylthiouracil, pyridoxine hydrochloride, Armed Services Medical Procurement Agency (Brooklyn 1, N. Y.) invitation 98, August 28; acetylsalicylic acid, ammonium chloride, amphetamine sulphate, racemic, Burow's solution, and morphine sulphate, Veterans Administration (Washington 25) invitation A-15, August 31.

Thinner, enamel, 6,200 gallons, and lacquer, 25,000 gallons, Navy Department (Aviation Supply Office, Philadelphia 11) invitation B-51,266, Septem 7; paint, 2,030 gallons, Quartermaster Depot (Jeffersonville, Ind.) invitation DA-23, August 22.

Thymol iodide, 1,152 bottles, Veterans Administration (Washington 25) invitation A-13, August 28.

Trichlorethylene, 330 gallons, Public Building Service (New York 13) invitation 322, August 23; 4,530 pounds, U. S. Air Force (Kelly Base, Texas) invitation 105, August 22.

Trichloroacetic acid, 2,496 bottles, Veterans Administration (Washington 25) invitation A-13, August 28.

Trisodium phosphate, 10,000 pounds, Navy Purchasing Office (New York 3) invitation 7107, August 31; 6,900 pounds, U. S. Air Force (Kelly Base, Texas) invitation 105, August 22.

Water repellent finish, textile, Quartermaster Procurement Agency (Oakland 14, Calif.) invitation 37, September 11.

Wax, floor, water emulsion, 24,900 gallons, Navy Department (Aviation Supply Office, Philadelphia 11) invitation B-51,236, September 5.

White lead in oil, 233 pounds, U. S. Air Force (Kelly Base, Texas) invitation 110, August 23; 1,200 pounds, Army Chemical Center, Md., invitation 103, August 22.

Wiping stain in oil, 950 gallons, Navy Department (Aviation Supply Office, Philadelphia 11) invitation B-51,252, September 6.

Wool fat, hydrous, 5,016 cans, Veterans Administration (Washington 25) invitation A-13, August 28.

Zinc oxide, 1,920 pounds, Armed Services Medical Procurement Agency (Brooklyn 1, N. Y.) invitation 99, August 29; 3,456 bottles, and paste, 3,936 jars, Veterans Administration (Washington 25) invitation A-13, August 28.

Zinc sulphate, 1,104 bottles, Veterans Administration (Washington 25) invitation A-13, August 28.

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Petroleum Derivatives

Pricewise, the market for petroleum derivatives was in a quiet position during the past week. Propane and butane were scheduled to go up in price tomorrow in the Group 3 area. The former was to advance ¾c. and the latter ½c.

There was no real change noted in the market for aromatic solvents. Toluol was becoming tighter and was now in about a comparable position with xylol. The demand for both continued good and there seemed to be no revisions in price indicated for the immediate future. Demand for higher boilers was strong and was expected to become stronger with the supply tighter. There were no immediate signs of price changes, however. Intermediate aromatic solvents were in a demand that was generally characterized as good although some quarters reported that there was a tightness in the supply position.

The paint trade, still in its busy time of year as far as demand was concerned, was taking its share of aliphatics, and these materials generally were in a good demand, while the supply was ample for the needs of the market. Lighter fractions were holding to previously established levels of supply and demand, although in some quarters it was expected that the call for heptane might be on the way up.

Demand for microcrystalline wax and paraffin was holding at good levels during the period and was expected to go on that way, while there was some tightness noted in the supply. After recent re-establishments of prices for petrolatum and white mineral oils, these materials were holding on price during the week, with no further changes immediately foreseeable. Neither item was precisely free on supply but both were in good demand.

The Texas Railroad Commission has announced an oil allowable for September of 2,283,720 barrels daily, the highest ever set. This will result in an actual average calendar day production of 2,630,000 barrels, or a total of 88,000,000 barrels for the month. It will be 130,000 barrels daily above the current level.

Market Trends

Prices Advanced

None

Prices Reduced

None

(For Current Prices see Page 9)

Solvents and Diluents

Aromatic Solvents—Generally speaking, the market conditions for this item were without any material change during the period under review. Both toluol and xylol continued on the tight side and the indications were that they would go on that way for the foreseeable future. Toluol had been somewhat easier on supply than xylol but recently it tightened up so that now it was in about a comparable position. Both items were in a strong demand and the signs pointed to a continuation of this condition. Prices during the week were holding at recently established levels and there were no true indications that any revisions were in prospect for the immediate future. Some reports of buying ahead had been heard recently but it was thought that there could not be a great deal of this because of the absence of any great storage facilities. The price structure on the intermediate aromatic solvents was holding at former levels and no coming changes were apparent. Depending on the source reporting, the demand ranged from normal to strong while the supply was said to run from sufficient to tight. Demand for higher boilers was still strong and was expected to continue that way. Supply was tight and if anything was expected to become tighter. The price structure was holding at previous levels during the period and there were no indications that any revisions were on the way for the immediate future.

Cleaners' Naphtha—Supply was in a good position during the past week and producers were having no difficulty in filling the needs of the market. Demand was holding at reasonably good levels and was expected to continue that way. The price structure was without change.

Lacquer Diluent—The paint industry was still taking its share of this item for this time of the year and in general the demand was reported to be holding up to a good point. The supply was sufficient to fill the needs of the market without difficulty. There were no changes noted in the price range and none were indicated for the immediate future.

Mineral Spirits—Prices were holding at the recently established levels, with no signs of any changes in the immediate future. Demand was at a good point, with the paint trade in its active season. Supply was high enough to obviate any real difficulty in filling the normal needs of the market.

Rubber Solvent—The rubber industry was still taking a good share of this material, and in general the demand was holding at levels satisfactory to the trade. The supply was at a good point and orders could be filled without difficulty. There were no changes in price noted and none were expected in the immediate future.

Stoddard Solvent—The paint trade, now in its busy time of the year, was taking a good share of this item, and the general demand was holding up reasonably well. Supply was ample and the market's needs could be filled without difficulty. The price structure was without change during the period.

V. M. & P. Naphtha—The level of supply was good and there were no difficulties being experienced in the filling of orders. Demand was holding at a reasonably good point, with a good share going to the paint trade. The price structure showed no change and none was expected.

Lighter Fractions

LPG's—The general demand continued on the good side during the past week, with the summer homes in the country taking their share, now that the summer season was in full swing. Prices were scheduled to go up tomorrow in the Group 3 area. Propane was to advance ¾c. and butane ½c. Supply continued high enough to fill the needs of the market without difficulty.

Waxes

Microcrystalline—Pricewise, this material was holding at previously noted levels with no indications of any changes in prospect for the immediate future. The demand was good and appeared likely to stay that way. The supply was reported to be satisfactory to tight, depending on the satisfactory to tight, depending on the source reporting.

Paraffin—Demand was strong last week and the signs were that it would continue that way for the foreseeable future at least. There were no changes noted in the price listings and none were expected at this time. The supply was becoming tighter.

Miscellaneous

Crude Oil—Production in Saudi Arabia amounted to 17,315,765 barrels, or an average of 558,573 barrels per calendar day, it was announced recently. Crude processed at a refinery at Ras Tanura amounted to 105,845,358 barrels, an average of 499,271 barrels per calendar day. Crude run in the refinery for the same period was 18,649,426 barrels, an average of 87,969 barrels per calendar day.

Petrolatum—There was some tightness noted in the supply but the demand was still holding at excellent levels and was expected to go on that way for at least the foreseeable future. The price structure was without change from the recently established higher levels.

White Mineral Oils—Demand was still at good levels during the past week but the supply was not characterized as much better than fair. Prices were holding at the recently advanced listings.

Los Angeles Petroleum Market

Demand is holding at a good level for sol-

—Continued on page 74

Crude Oil Stocks

Stocks of domestic and foreign crude petroleum at the close of the week ended August 5 totaled 238,812,000 barrels, according to the Bureau of Mines. Compared with the total of 240,236,000 barrels for the preceding week, this represents a decrease of 1,424,000 barrels, comprising a decrease of 2,122,000 barrels in stock of domestic crude and an increase of 698,000 barrels in stocks of foreign crude.

For Late Market Developments, See Page 4

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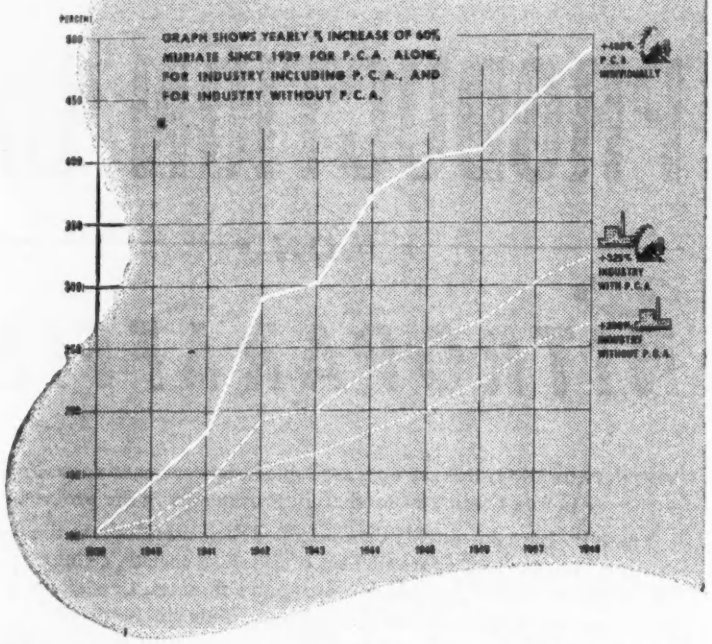
GRAPH SHOWS YEARLY % INCREASE OF 60% MURIATE SINCE 1939 FOR P.C.A. ALONE, FOR INDUSTRY INCLUDING P.C.A., AND FOR INDUSTRY WITHOUT P.C.A.
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Agricultural Chemicals

Some of the packing house byproducts were priced lower at Chicago last week. These included dried blood, tankage and hoof meal. Western stockfeed buyers were active in the market for blood and tankage early in the month but offered no aggressive support during the period under review. Bone meal was relatively quiet. Menhaden meal was in lighter demand and the tone of the market was easier. No additional stocks of castor pomace were available for prompt delivery.

Shipments of superphosphate held a normal average with some of the producers experiencing difficulty in securing enough sulphuric acid to maintain output. Spasmodic boxcar shortages have caused slight irregularity to the potash movement but no serious scarcity to date and production has been sustained at capacity levels. Both grades of ammonium sulphate remained firm and ammonium nitrate continued heavily under contract. Demand for sulphur held at an unusually high level. Sodium nitrate found a seasonal outlet at former prices.

Figures prepared jointly by the National Fertilizer Association and the Bureau of the Census show that production of superphosphate in the United States registered a seasonal decrease during June, totaling 835,000 equivalent short tons of 18 percent product. Compared with the June, 1949, output, however, the current figure represents a gain of roughly 25,000 tons or 3 percent. This increase was due mainly to stepped-up output of concentrated super.

Nitrogenates

Ammonium Nitrate — Market position tight, with production heavily under contract at current prices. Buyers have been urged to take as much stock as possible during the off season in order to relieve storage problems at works. June production of original solution amounted to 92,511 tons, including 77,265 tons of fertilizer grade and 15,243 of other grades. May output was 98,927 tons, and 88,886 tons were produced in June, 1949.

Ammonium Sulphate—Price range unchanged, with market firm. June production of synthetic technical totaled 102,572 tons, compared with 114,131 in the preceding month and 52,080 in June, 1949. ECA announced that $2,801,000 worth of nitrogenous fertilizers originally slated for Korea has been diverted to China (Formosa).

Bone Meal — Purchases for stock-feed use continued fair last week, although the market showed no unusual activity. Raw was priced at $62.50 per ton and steamed at $60 per ton at the works. Imported steamed was held at $58 per ton, c.i.f. New York.

Castor Pomace—Continued out of the market for prompt shipment. Last sales, $32.50 per ton, in bags, carlots, works.

Dried Blood—Lower in the West but unchanged in price here. Buying interest slower. New York named $8 per unit of ammonia and Chicago sold down to $8 from $8.50.

Fish Meal—Tone easier, although former prices for menhaden still quoted. Western feed buyers did not appear anxious to purchase at $135 per ton, Baltimore basis.

Hoof Meal—Priced lower at $7.50 per unit of ammonia, Chicago basis, with inquiry subsiding.

Sodium Nitrate—Stocks meeting a seasonal demand without difficulty, with suppliers naming former prices.

Tankage—Market sustained locally against a decline in the West. New York quoted $8 per unit of ammonia and Chicago $8.75.

Fertilizer Tag Sales: July

	Equivalent tons July 1950	July 1949	Jan.-June 1950
Virginia	8,000	10,331	511,782
North Carolina	....	7,653	1,430,836
South Carolina	7,720	8,773	705,615
Georgia	7,166	6,522	936,305
Florida	47,297	35,808	570,143
Alabama	32,285	27,052	824,295
Tennessee	15,024	11,285	372,733
Arkansas	13,441	12,255	290,130
Louisiana	4,646	5,542	204,481
Texas	15,151	12,162	331,550
Oklahoma	....	6,280	88,312
Total South			6,286,172
Indiana	101,575	126,239	465,489
Kentucky	17,966	18,076	399,407
Missouri	42,655	20,198	292,715
Total Midwest	162,196	164,513	1,157,611
Grand total	....	....	7,443,783

Market Trends

Prices Advanced

None

Prices Reduced

Dried blood, Chicago, 50c. per unit of ammonia.
Hoof meal, Chicago, 50c. per unit of ammonia.
Tankage, Chicago, 25c. per unit of ammonia.

Comparative Price Indexes

(100—August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	Aug. 19, 1949
82.2	82.2	82.2	81.6	81.6

(For Current Prices see Page 9)

Phosphates

Phosphate Rock — Shipments going ahead against contracts and market described as steady with stocks meeting requirements without difficult,.

Office Cherifien des Phosprates, French Morocco, sold 3,593,747 metric tons of phosphate rock in 1949—400,000 tons more than in 1948. Exports totaled 3,533,747 tons; more than 2,600,000 tons were shipped from Casablanca. The United Kingdom was the principal purchaser in 1949, taking 686,000 tons; France was second with 394,000 tons. The remainder went principally to other European countries.

Superphosphate — Shipments averaging normal dimensions are being made to contract consumers. Stocks are not flush at the present time and it is stated that the tight position of sulphuric acid has made it difficult for some acidulators to maintain a seasonal output.

Domestic production of superphosphate totaled 710,562 short tons for normal, 47,355 tons for concentrated, and 6,453 tons for wet-base goods during June, according to the Bureau of the Census, Department of Commerce. Although these figures reflect a seasonal decline, the quantities produced were greater than for the corresponding period of last year. The monthly production of wet-base goods was also the largest since April, 1949. While shipments of normal and concentrated grades of superphosphate in June were less than the quantities shipped for May, 1950, those for wet-base goods were 87 percent larger than for the previous month and almost four times greater than for June, 1949. Shipments of concentrated superphosphate were also slightly larger this month than for June, 1949. During the month, stocks on hand increased 34 percent for normal and 15 percent for concentrated, while stocks for wet-base goods declined 14 percent.

Potashes

Box-car shortages have continued to appear spasmodically but as previously stated no serious shortages to date. Demand for shipments is heavy with an active desire to increase commitments. Production has been sustained at capacity levels. The Potash Institute states that in agricultural deliveries for the first half of 1950 there were 530,492 tons K_2O as muriate, 2,788 tons K_2O as manure salts, and 51,643 tons K_2O as sulphate of potash and as sulphate of potash-magnesia. The chemical industries took 62,877 tons of potash salts containing an equivalent of 39,034 tons of K_2O, a 16 percent increase over the first half of 1949.

Los Angeles Fertilizer Market

Los Angeles.—A weakening is reported for organic material with the exception of fish meals which remained firm and in light supply. Inquiry for inorganics continued at a good level with supplies reported adequate to meet the present demand.

Ruling prices were:—Ammonia nitrate, $69.94 per ton, domestic, f.o.b. Los Angeles, $70.93 per ton, Canadian material, f.o.b. Los Angeles. Ammonia phosphate, $65.15 per ton for 16-20 grade, f.o.b. Los Angeles. $89.65 per ton for 11-48 grade, f.o.b. Los Angeles. Canadian material. Ammonia sulphate, $49 per ton bagged, f.o.b. Los Angeles Canadian material same in bags. $2.50 discount in bulk. Blood meal, $8.50-$6.75 per unit of ammonia at source. Bone meal, $70 per ton nominal for imported, steamed, 1/30 meal, f.o.b. Los Angeles. Domestic quoted $70 per ton, f.o.b. Los Angeles. Fish meal, $152.75-$156 per ton for 65 percent sardine, f.o.b. Los Angeles. 60 percent tuna quoted $135-$138 per ton, f.o.b. Los Angeles. Nitrate of soda, $53 per ton in 100-pound bags, f.o.b. Los Angeles Harbor. $48 per ton in bulk. Potash muriate, 48½c. per unit bulk, f.o.b. Trona basis. Potash sulphate, 95 to 98 percent K_2SO_4, 84c. per unit, f.o.b. Trona. Superphosphate, $23.20 per ton for bulk, f.o.b. Los Angeles area. $2.50 extra for bags. Triple, $68.50-$72 per ton for bulk, 47 percent a.p.a., f.o.b. Los Angeles.

For Late Market Developments, See Page 4

Tankage, wet rendered, fertilizer grades, $4.75-$5.25 per unit of ammonia at producing plant.

Pesticides

BHC—Advance of the season has not brought about any appreciable improvement in buying conditions in this insecticide or DDT to date. In producing quarters, it was stated that when the domestic season is over there is a substantial backlog of export orders to be leveled off.

Calcium Arsenate—June production of commercial showed a substantial increase over the preceding month. The totals were 4,667 tons in June and 2,449 in May. In June last year output was only 935 tons.

Lead Arsenate—Production of acid and basic in June was 1,163 tons, compared with 2,203 in May and 392 tons in June, 1949.

Paradichlorobenzene — Market position firm with cutback production, shortage and high prices for benzol and chlorine contributing strength to the market. Higher prices have been named in some supply sources, the carlot figure being 13½c. per pound in drums with l.c.l. varying from 16c. to 19c. All producers have not advanced prices to date.

Du Pont Transfers Ryker

E. I. du Pont de Nemours & Co. has transferred Dr. T. C. Ryker, plant pathologist, from Baton Rouge, La., to the Semesan section at Wilmington, Del. In his new post he will furnish technical information on seed disinfectants. Prior to his joining du Pont in 1947, Dr. Ryker, was on the staff of the Louisiana Agricultural Experiment Station. From 1947 until his recent transfer he conducted field experiments with new pesticides at Baton Rouge.

Hall Labs Publishes Water Data

Industrial water problems of all kinds—procurement, treatment, usage and disposal—and the facilities and services offered in coping with them are described and charted in a new booklet published by Hall Laboratories, Inc., Pittsburgh, Pa. Entitled "Your Most Important Raw Material," the publication outlines the various types of industrial water problems and their solutions. Copies are available upon request to the company, Hagan Building, Pittsburgh.

Eaton & Co. Packages New Rodenticide for Consumers

First consumer packaging of a new rodenticide under the trade name "Warfarin Compound 42" (3-gamma-acetonylbenzyl-4-hydroxycoumarin) has been announced by J. T. Eaton & Co., Cleveland, Ohio. Developed by the University of Wisconsin Alumni Research Foundation, the new rat killer was released for sale to the public by the Department of Agriculture last month and is being marketed by S. B. Penick & Co. and R. J. Prentiss & Co., both New York.

S. B. Penick Issues Booklet On High-Power Rodenticide

S. B. Penick & Co., New York, has published a booklet on "Dethmor," the firm's trade-name rodenticide made from "Warfarin," recent discovery of University of Wisconsin research chemists. The publication gives a summary of current information on the highly potent rat poison, including historical data on its development, its reaction on rats, experimental commercial usage, and a report on the fourteen-month chronic toxicity study on a hen with "Warfarin" made at the Wisconsin Alumni Research Foundation.

In addition to other information, the booklet includes a summary in tabular form of toxicity studies on albino rats made by the Penick research staff, a report on Penick field tests suggested formulations and directions for use of "Dethmor," the Penick product.

Insecticides for Sale by U.S.

The Navy Supply Depot, Seattle 99, Wash., asks for bids up to August 25 on unstated lots of insect-repellant and salt tablets (sales catalog B-12-51). Bids will be received up to September 7 on 235 gallons of insecticide at the Marine Corps Air Station, El Toro (Santa Ana), Cal. (sales catalog B-6-51).

Geological Survey Opens Office

Secretary of Interior Oscar L. Chapman announced today that a general office of the Geological Survey has been established in Denver, Colo., for handling the downtown distribution and orders for survey maps and reports, and to provide general information to the pulbic on survey activities. The new office is housed with the survey library in the new customhouse.

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Coaltar Chemicals

Toluol and xylol were in the process of undergoing an upward price adjustment. At some shipping points the advances had been made, and at other points were still in the process of being determined. Generally, the advance amounted to 2 cents per gallon, but at some points changes were as low as 1¼ cents, and at others as high as 2¾ cents, depending upon the cost situation currently prevailing at the point of shipment.

Metacresol prices were currently 10 cents per pound higher than schedules in effect over recent months. Technical acetanilide was advanced by some producers 2½ cents per pound in line with previously reported adjustments made by other producers. The index rose 1.4 points, becoming 119.0.

The strike in the plant of a major tar distiller was still unsettled at presstime, continuing the intensification of market shortages in such critical items as cresylics, phenolics, and other tight basic coaltar products.

There were still numerous intermediate products which on spot carried a price spread, some producers having advanced their schedules, and others having the matter under advisement. Back of the widespread coaltar chemical price movement was the gradually increasing costs on tar, other raw materials, manufacturing and shipping.

The American Iron and Steel Institute reported the operating rate of the steel industry at 100.1 percent of theoretical capacity for the week ended August 19. This was equivalent to 1,930,600 tons of ingots and castings, compared with 1,926,800 tons the previous week, and 1,539,300 tons one year ago.

Basic Products

Benzol—There was no price change in domestic benzol prices. The heavy pressure of demand on available supplies for styrene in making synthetic rubber and plastics, and for the wide spread production of benzene derived chemical intermediates resulted in a continued shortage, from which there was no immediate relief in sight. The scarcity was less severe than would be the case if some 60 percent of the nation's chloride output had not been shut off for several weeks by strikes in alkali producing plants. Nevertheless, supplies were being purchased abroad at high prices in order that consumers of large volume benzene derived intermediates could be kept in supply of their minimum requirements.

Production of benzol in 1949 was some 23.4 percent under the 1948 output. Just where the 1950 production level would fall was uncertain in view of the prolonged strikes in the coal and tar distilling industries. However, the steel industry's operating rate this year had been expanded to a point well beyond that of 1949, and this sustained higher production rate may well more than offset some of the production losses resulting from coal strikes. For the present, and probably for the balance of the year, there was just not enough benzol to go around. Estimated 1950 production from coaltar sources was said to be around 165,000,000 gallons.

The Tariff Commission reported May production of all grades of benzol as totaling 17,195,433 gallons, compared with the April total output of 16,607,973 gallons. Of this total tar distillers accounted for 2,558,103 gallons in May and 2,473,962 gallons in April. The balance was coke oven production. The Bureau of Mines reported June production of benzol by cokeoven operators as totaling 12,564,300 gallons of all grades.

Coaltar—Crude material was not regarded as short, but the cost had been gradually advancing over recent months, following the fuel oil price advances at various points. This led to higher tar distilling manufacturing costs, which in addition to higher labor and shipping costs, accounted for the recent increasing price pattern on basic and intermediate coaltar chemicals. Output in June was reported by the Bureau of Mines as amounting to 64,897,959 gallons of crude.

Cresol—The cresol shortage continued to get worse as the strike in the plants of a major tar distiller remained unsettled for another week. The pressure of demand created a backlog of orders. Prices were unchanged at higher levels recently established on spot and effective October 1 on contract.

The Tariff Commission reported May production of meta-para cresol as 672,930 pounds, while in the same month ortho-meta-para production stood at 749,251 pounds.

Creosote—Supplies were generally regarded as in balance with demand, and the prolonged strike in the plants of a major tar distiller worked certain hardships in localized areas, but left the overall supply position still in a healthy condition, whereas the strike had very adverse effects on most coaltar basic products which were in scarce supply.

June production by coke oven operators was reported by the Bureau of Mines as 2,499,356 gallons, 5.5 percent over that of the previous month. May production from all sources was reported by the Tariff Commission as totaling 12,869,387 gallons, compared with the April total output of 12,360,441 gallons.

Cresylic Acid—Firm prices prevailed in this tight market, following the recent upward adjustment necessitated by the steadily increasing price of tar and of manufacturing and shipping costs. Production of refined acid was reported by the Tariff Commission for May as amounting to 2,822,606 pounds, compared with the April output of 2,599,023 pounds.

Naphthalene—The market continued its stronger tone last week, with demand maintained at the recently higher level of consumption, in the face of lower domestic output as a result of strikes, and curtailed foreign imports due to exporters holding back for higher prices.

Crude material melting at less than 79°C was produced in May in the amount of 27,140,115 pounds, compared with the April total of 19,502,960 pounds. Of these amounts, tar distillers produtcion accounted for 18,359,116 pounds in May as compared with 10,879,005 pounds in April. Refined naphthalene production by tar distillers in May totaled 7,099,386 pounds, compared with 7,804,119 pounds in April. Production figures for June by cokeoven operators only, amounted to 4,230,048 pounds according to the Bureau of Mines. The total figures for June were not as yet available from the Tariff Commission.

Imports of naphthalene during 1949 amounted to 480,518 pounds, plus a crude not competitive with domestic production, in the amount of 168,000 pounds, according to Tariff Commission figures.

Phenol—Supplies of this item were increasingly tight, as more and more of the available benzol for its production was shunted into styrene production in order to meet the requirements of the government's expanded synthetic rubber production program. The extent of this effect was as yet not very far developed, but was underway, and represented a continuing threat of curtailed phenol output.

Prices were firm at their newly established higher spot levels, which become effective October 1 on contract. Benzol prices did not advance last week on domestic production, as did toluol and xylol, which was welcomed by consumers of benzol because phenol production costs were already quite high. May production

Market Trends

Prices Advanced

Acetanilide, tech., 2½c. per lb.
Metacresol, 98%, 10c. per lb.
Toluol, 1¾c. to 2¾c. per lb.
Xylol, 1¼c. to 2c. per gal.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	Aug. 19, 1949
119.0	118.6	107.5	110.1	110.4

(For Current Prices see Page 9)

Coke By-Products

Estimates of by-product cokeoven operations in the week ended August 5 indicate the following output of by-products from that source:—

Ammonia liquid NH_3	lbs.	1,606,732
Ammonia sulphate	lbs.	29,667,500
Benzol	gals.	3,461,339
Coaltar	gals.	12,830,451
Creosote oil	gals.	715,599
Naphthalene, crude	lbs.	1,697,172
Phenol	lbs.	200,980
Toluol	gals.	692,267
Xylol	gals.	156,318

For Late Market Developments, See Page 4

for these industries

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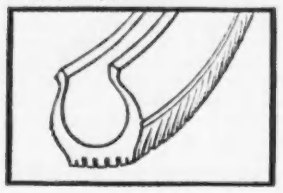

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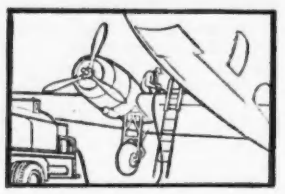

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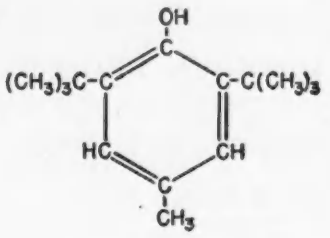

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write for your copy of Bulletin C-9-115. It describes in detail the properties, reactions and uses of DBPC. A four-ounce sample of DBPC will be sent to recognized laboratories when requested on company letterheads.

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totaled 27,019,244 pounds, compared with April output of 23,631,931 pounds.

Solvent Naphtha—This item moved at various shipping points in the range of 28c. to 31c. per gallon f.o.b. shipping point. Supplies were considerably short of the overall demand, while contract consumers were being supplied under contract commitments with reasonable promptness. Spot material was hardly to be had in any quarter because most of the production moved under contract.

Toluol—Prices were advanced in some quarters and at various shipping points by 1¾c. to 2¾c. per gallon, while consideration of costs and price adjustment was underway with respect to other producing and shipping points. Increasing costs of coke oven operations together with varying upward shipping charges accounted for the increase.

In the Chicago district prices were being adjusted from the former f.o.b. price of 25½c., to the new level of 28c. In the Pittsburgh district, prices were advancing to 25c. per gallon, up 2c. over former levels. The price pattern currently developing in the Cleveland district was one of a 2c. rise in which a level of 27¾c. per gallon was emerging as the f.o.b. market price. In the Birmingham area, the new price schedule of 25c. per gallon was in the course of development, an increase of 1¾c. per gallon. Other points were likewise being adjusted upward in line with increased costs. These upward price adjustments currently being made by the coaltar chemical industry considerably lagged behind similar upward price adjustments made some weeks ago by the petroleum industry.

Supplies from an overall point of view were considerably short of demand. Contract consumers were being fairly well supplied in most instances, only because producers had made commitments only to the extent of probable production. Many thousands of gallon more could be sold if the material were available. There was very little spot coaltar source toluol available, established accounts taking essentially all of the production under contract.

Xylol—Price advances of from 1¼ to 2 cents per gallon were effected last week on coaltar source xylol, depending upon the shipping point. In some quarters and at some shipping points advances were made, while consideration of costs and upward price adjustments were likewise under study with respect to other points. Producers have found a price advance necessary because of the steadily increasing cost of coke oven operations and shipping costs. This developing higher price pattern in the coaltar chemical industry follows by several weeks a similar price adjustment made in the petroleum industry.

Indications were that in the representative districts the developing price pattern would emerge with schedules of 26¼ cents per gallon in the Birmingham district, 29½ cents per gallon in the Chicago district, 29 cents in the Cleveland district, and 26 cents in the Pittsburgh district. Other producing and shipping points were being adjusted similarly, and in a matter of ten days to two weeks the entire f.o.b. price pattern would likely be established.

Meanwhile, the supply position was such that overall demand was considerably in excess of supply, and the producers of coaltar source material were operating under a heavy pressure of demand. They were able in most instances to meet contract commitments with reasonable promptness, but there was nothing left for any substantial spot sales. The reasonably prompt shipments on contract were possible only because contract commitments were limited to estimated production, whereas considerably more than that physical volume could well be sold, if it were available.

Intermediates

Acetanilide—Technical material advanced 2½ cents per pound last week, as all producers followed a similar advance by other producers as previously reported. The new price schedule currently prevailing on spot material and October 1 on contract is 24½ cents per pound in carlots, 25½ cents in ton lots, and 28½ cents in less than ton lots. Demand was well sustained in the face of a scarcity which left virtually no spot material available in many quarters.

Acetoacetanilide—Less carlot quantities were quoted at 69½c. per pound in the current market. Carlots were quoted 1c. less.

Acetoacetorthotoluidide—A firm price of 74½c. per pound was characteristic of the market for less than carlot quantities. Carlots were scheduled at 73½c.

Anilin—A scarcity characterized the market. Prices were firm at their re-

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cently established higher levels on spot material, but there was very little spot anilin available. Contract prices do not advance until October 1, at which time it was expected that they would assume the current spot pattern. Scrap iron prices were advancing.

The Tariff Commission reported production in May at 8,513,581 pounds, compared with April's output of 7,272,284 pounds. The benzol shortage was acute, necessitating the importation of large quantities from abroad at high prices, but still there was not enough to go around. Hence, the anilin shortage. However, a considerable amount of anilin is made from monochlorobenzene, and the severely critical chlorine shortage tended to curtail production from this method of manufacture.

Hydroquinone—Technical material was reported firm at 70c. per pound, while the photographic grade commanded the usual 90c. per pound. Supplies were generally regarded as adequate to take care of current needs.

Monochlorobenzene—This severely critical chemical intermediate was so short that contract customers could not get nearly all their requirements, and of course there was nothing available for spot. The heavy demand for this item, in the face of a 60 percent chlorine shortage caused by prolonged strikes in the alkali industry, could not be met because of the curtailed output forced on the industry by the chlorine shortage.

A 1c. spread in spot prices still existed in the market as not all producers had as yet gone along with the price rise announced in the previous issue. May production was reported by the Tariff Commission as 28,768,630 pounds, compared with the April output of 26,469,621 pounds.

Parachloro-orthonitroanilin — The current market price of this item was firm at 70c. per pound following the recent advance of 7c. per pound.

Research Bibliographies Put on Sale by OTS

New bibliographies on container coatings and on the solubility of argon, carbon dioxide, helium and nitrogen in organic liquids have been announced by the Office of Technical Services of the Department of Commerce.

The bibliography on container coatings (order PB 100 864), priced at $1.25 per copy, provides abstracts of some 150 patents and research papers on food and other types of container coatings published since 1941. The "Bibliography on the Solubility of Argon, Carbon Dioxide, Helium, and Nitrogen in Organic Liquids" (order PB 100 583), priced at 20 cents per copy, contains information relating to experimental technics used for the determination of the solubility of gases in liquids. Orders for the bibliographies should be addressed to OTS, Washington 25, D. C., accompanied by check or money order payable to the Treasurer of the United States.

Steel Shipping Barrels Output Increased in June

Production of steel shipping barrels and drums increased during June, with the industry producing 2,088,847 heavy-type barrels and drums, 966,071 light-type barrels and drums, and 6,165,900 steel parckages, kegs and pails, according to the Bureau of Census. This compared with the production of 1,967,400 heavy-type barrels and drums, 908,003 tight-type barrels and drums, and 5,031,065 packages, kegs and pails in May.

General Aniline Names Nine to Technical Staff

Grasselli Works Division, General Aniline & Film Corporation, Linden, N. J., has announced the recent addition of nine chemists and engineers to the technical or professional staffs of the concern.

Dr. Arthur E. Brown and Dr. Seymour Polansky, chemists, have joined the process development department. James F. St. Clair, formerly vice-president of the Wilson Organic Chemical Company, has been named a senior control chemist in the intermediates department. Stephen F. Gill and John Porada have been taken on as junior engineers in the engineering department. Charles Becht has been appointed safety engineer in the personnel relations department. Theodore H. Collora has been added to the industrial engineering staff. Franklin A. Retzke has been named junior chemical engineer in the chemical engineering department, and David Roller has been hired as a chemical engineer trainee in the special products area.

Kodak Subsidiary Appoints Spencer to Managerial Post

Dr. Douglas A. Spencer has been appointed deputy managing director of Kodak, Ltd., London, England. At the same time, Dr. Spencer was also elected to the board of directors of the Eastman Kodak Company subsidiary. With Kodak, Ltd., for eleven years, Dr. Spencer assisted in the reorganization of the company's research laboratories in 1939 and later was placed in charge of the research laboratory's contacts with the British government.

Trade Briefs

Army chemical procurement office at Dallas, Texas, is now in charge of Lt.-Col. George W. Dorn, of East Orange, N. J.

U. S. Steel Corporation has set in operation a new sixty-one-oven battery of coke by-product ovens at the Clairton, Pa., works of its subsidiary, Carnegie-Illinois Steel Corporation.

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Textile and Leather Chemicals

Consuming demand continued active for most textile and leather chemicals last week. Market was strong for the entire list. Price changes were confined to fractional advances in sago flour and valonia cups, raising the index 0.3 point.

Buying interest was keen in the chemical group, with producers restricting sales to regular customers. Scarcity of soda ash continued to affect production of bichromates and sodium hydrosulphite.

Trading in sizing materials was of good volume for prompt and later requirements. Corn dextrin was scarce and supplies were allocated to regular buyers, while corn starch stocks were adequate to cover demand. Trading in potato starch was less active, but prices were firm as producers' inventories were diminishing. Sago flour was firmer on the spot reflecting the high cost of shipment.

Tanning materials commanded more interest for prompt shipment. Trading was reported spotty. Valonia cups were lifted about $2 per ton, while other materials were unchanged and closely held at producing centers.

Cattle hide leather production in June was indicated at 2,070,000 hides, compared with 1,949,000 during May, according to Tanners Council. Production of other skins also was higher in June. Calf and whole kip skins amounted to 923,000 against 829,000 in May; goat and kid skins, 3,329,000 against 3,206,000 and sheep and lamb skins, 2,653,000 against 2,720,000.

The United States has the resources for a one-third increase in sheep production, according to the Bureau of Agricultural Economics. Feed and forage resources that can be utilized for sheep will carry 37,000,000 head. This would be a substantial increase above the present total of about 27,000,000 head. Domestic wool production would continue to fall far short of meeting total United States requirements. Annual production of wool from this increased number of sheep would total 335,000,000 pounds. In contrast, the yearly average wool consumption during the 1950-54 period is expected to be from 675,000,000 pounds to 725,000,000 pounds.

Market Trends

Prices Advanced

Sago flour, ¼c. per lb.
Valonia cups, $1 to $2 per ton.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	Aug. 19, 1949
253.4	253.1	236.5	286.0	313.2

(For Current Prices see Page 9)

Chemicals

Acetic Anhydride—Market was firm at recent advance of 1c. per pound, due to the higher cost of acetic acid. Demand was keen for prompt and later requirements. Tankcars were held at 12c. per pound, delivered East; 14c. per pound, drums carlots and up to 15½c. for smaller quantities.

Bichromates—This market continued strong due to tight supply condition and active consuming demand. Scarcity of soda ash has affected the production. Producers restricted deliveries to regular customers and new business was turned down. Resale material was scarce and commanded premiums of about 7c. per pound above producers' levels. Production of sodium bichromate and chromate totaled 8,135 short tons in June, 1950, compared with 7,907 tons in May and 4,644 tons during June last year.

Sodium Acetate—This material reflected the higher cost of acetic acid and quotations were raised ½c. per pound. Anhydrous was quoted at 10½c. per pound, carlots and 12c. for smaller lots, f.o.b. works. Demand was excellent. N. F. VIII powder was higher at 8½c. per pound, carlots and 9½c. for smaller quantities, f.o.b. works.

Sodium Hydrosulphite—Supplies were low and in active demand. Production has been cut owing to the scarcity of soda ash. Producers restricted sales to regular customers and have turned away new business. Prices were unchanged and strong.

Sulphonated Oils—Recent advance in castor oil resulted in higher prices for sulphonated grades. Demand was moderate. Tallow was lower but did not affect the cost of sulphonated as prices were not raised when the basic material was recently advanced.

Sizing Materials

Blood Albumin — Steady consuming demand was reported for prompt delivery. Market was firm. Albumin and dried soluble blood were quotably unchanged.

Corn Dextrin — With production sold ahead, producers continued to allocate supplies to regular customers. Demand was active and exceeded supplies. Prices were firm and unchanged. Sales were based the market price on the date of shipment.

Corn Starch — Trading was active for prompt and later deliveries. Prices were unchanged and strong. Stocks are adequate to cover demand. thus far while other corn derivatives were allocated to regular customers. Visible corn supply declined 553,000 bushels to 38,161,000 bushels for the week ended August 12, compared with 5,113,000 bushels for the same time last year, according to the Chicago Board of Trade. Government report forecast the corn crop as of August 1 at 3,167,607,000 bushels, compared with the prediction of 3,175,602,000 bushels, July 1. Last year's production totaled 3,377,790,000 bushels and the 1939-48 average is 2,900,930,000 bushels. Yield per acre as of August 1 was estimated at 38.1 bushels against 38.9 bushels in 1949 and 32.9 bushels, the 1939-48 average.

Egg Albumen—Firmness continued to feature this market. Trading was active for prompt delivery. Export inquiry also was active. Quotations were unchanged and closely held. Edible flake was maintained at $1.35 to $1.37 per pound, and powder, $1.39 to $1.41 per pound, depending upon quantity. Technical remained steady at 78c. to 80c. per pound, according to quantity. Egg production in July was indicated at 4,637,000,000 by the Department of Agriculture, compared with 4,328,000,000 during the July last year and 1939-48 average of 4,155,000,000. Output for January-July inclusive amounted to 39,126,000,000, against 36,752,000,000 for the same period in 1949 and 1939-48 average of 34,826,000,000.

Egg Yolk—Consuming demand was active. Market remained strong at unchanged prices. Supplies were light. Domestic yolk ranged from $1.22 to $1.25 per pound, according to quantity. Chinese yolk was well held at 87c. to 89c. per pound, on the spot, duty paid, as to quantity.

Potato Starch—Producers inventories were reported smaller due to recent heavy buying and closely held at 5¼c. per pound, carlots, f.o.b. Maine. Buying interest continued active for prompt and forward delivery. Idaho starch was unchanged at 5¼c. per pound, carlots, f.o.b. mills. Stocks on the spot were firm at 7¼c. to 7½c. per pound, exwarehouse, according to quantity. Government held starch commanded more attention and recent business was quite active at 4½c. per pound, 200 pound bags, carlots, f.o.b. Maine shipping points, plus charges.

Sago Flour—High cost of replacements continued to keep the local market strong. Shipments were quoted at 7c. per pound, exdock. Light stocks on spot were closely held at 7½c. to 7¾c. per pound, as to quantity.

Tapioca Flour — While trading was spotty, the market remained firm. Brazilian high grade was held at 6¾c. to 7c. per pound, according to quantity; medium, 6½c. to 6¾c. and low, 5½c. to 6c., same basis.

Tanning Materials

Chestnut Extract — Moderate trading was reported for prompt delivery. Prices were without change and steady.

Cutch — Consuming inquiry active for prompt shipment. Offerings at primary centers were light. Prices for shipment were quotably unchanged and steady.

Mangrove Bark—Inquiry for replacements was fairly active for prompt shipment. South American bark was unchanged and well held. Arrivals totaled 4,900 bags at New York last week.

Myrobalans—Tanners showed a good inquiry for shipment. Offerings were fairly liberal and maintained at unchanged levels. Imports amounted to 1,840 bags at New York last week.

Quebracho Extract — This market remained firm for shipment at current quotations. Tanners displayed fairly active interest in prompt shipments. Recent business resulted in increased volume of imports during the past fortnight. Arrivals totaled 6,540 bags at Atlantic ports last week.

Valonia—Primary market was stronger and cups were advanced $1 to $2 per ton. Trading took place at the advance for prompt shipment. Cups were quoted at $54 to $55 per ton, exdock.

Wattle—Tanners continued to display active inquiry for replacements. Offers for shipment were scarce and were not expected to improve until the late Fall. Prices for both bark and extract were unchanged and firm. Bark imports totaled 7,720 bags and 1,895 bags of extract at Atlantic ports last week.

For Late Market Developments, See Page 4

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Drugs and Fine Chemicals

Drug items accounted for most of the price advances in this market during the week. Tartaric materials all advanced. Tartaric acid was up 2 cents per pound, cream of tartar 1¼ cents, and Rochelle salt, tartar emetic and Seidlitz mixture were each up 1 cent per pound. Triacetin advanced 9 cents per pound. Of minor interest was a 9 cent advance in NF VII iron pyrophosphate, other grades not being affected; and a 1½ cent rise in USP VIII sodium citrate, other grades being unchanged. The most spectacular price change of the week was in menthol, where the lack of spot material together with speculative trading in the limited amounts that were available, led to a jump of $2.35 per pound during the week. The index advanced 7.1 points, becoming 265.3.

Ethylene and propylene materials still carried a 1 cent price spread in spot quotations, with a strong liklihood that last quarter contract schedules would assume the outside of the current spot range. Ester solvents and alcohol were firm at their recently higher established levels, but the shortages of fermentation source materials in the face of steadily increasing raw material and production costs, detracted from the stability potential of the current spot schedule.

Alkaloids were said to be fairly stable, and in certain items foreign competition was adversely affecting domestic production and sales. Vitamin A moved in a still acutely competitive market in some quarters, but demand for natural source materials was said to be showing significantly better strength, particularly in the direction of the food and agricultural industries.

Glycerin was tightening as a result of the shortage of crude at other than prices which would allow refiners a profit instead of a substantial loss. Asking prices on crude were in excess of refined prices, with the result that natural refined production was being curtailed. Demand was not above that of recent months, and the current trade situation was creating an artificial scarcity.

Acetone — The price position of this item remained firm, despite rumors to the contrary. Demand continued strong, but the overall supply position was said to be adequate.

Alcohol—After the establishment of higher prices, as fully reported the previous issue, the market was last week unchanged. Supplies were critically short and molasses was virtually not available at any price.

Aspirin—The market was firm following the recently advanced price schedules. Demand was reported as holding up well, and supplies were quite ample. May production was reported by the Tariff Commission as 866,788 pounds, compared with the April output of 795,952 pounds.

Castor Oil—Medicinal oil was unchanged, although there were some advances in technical material. Beans were not being offered at any price in primary markets, and the market was entirely on a nominal basis. Accordingly, no prices were available at present. The new crop was due in the immediate future, and the market was felt likely to get into a more settled condition after the advent of the new crop. Reports indicated that the new crop this year was short, but such reports seem to characterize the market every year.

Arrivals of beans last week amounted to 4,018 bags equivalent to 602,700 pounds, compared with 22,799 bags or 3,419,850 pounds the previous week, and 7,437 bags or 1,115,500 pounds during the corresponding week of 1949.

Total imports of beans since January 1 of this year amounted to 886,363 bags equivalent to 132,954,450 pounds, compared with 1,059,558 bags or 158,933,700 pounds during the corresponding period of last year.

Citric Acid — Prices were firm, and demand was well sustained. The Italian production in 1949 was reported as 785 tons, compared with the 1948 output of 508 tons. The industry, however, was still hardly more than 20 percent of the prewar production rate when the 1938 output was 3,603 tons.

Cocoa Butter—Prices fluttered around 84c. per pound last week, being somewhat in sympathy with the occasional recessions in cocoa bean prices when operators took profits by selling into consumption stocks acquired in recent weeks. Not too much butter was actually available but the largest producers were reported meeting all contract commitments.

Codliver Oil — Interest in the market continued more than fairly active but fundamental conditions here or abroad did not change in a direction to be immediately productive of higher shipment and spot quotations. According to a report from Oslo, Norway, Norwegian production of steamed medicinal oil as of June 10 last totaled 75,839 hectoliters, comparing with 1949 production of 57,864 hectoliters during the corresponding period. A hectoliter equals 26.42 gallons.

A report from Iceland indicated that the total catch of demersal fish in 1949 was 6,000 metric tons greater than 1948, but the total quantity of codliver oil produced was less, amounting to 8,378,500 kilos in 1949 as compared with 9,098,373 kilos in 1948. Icelandic codliver oil was said to have decreased in price during 1949 from $685 per metric ton to $375 f.o.b. Reykjavik.

Cream of Tartar—The NF granular or powdered material was advanced in price by 1¼ cents per pound. The higher cost of raw materials and manufacturing accounted for the rise. Under the new schedule lots of 5,000 pounds in any one shipment were quoted at 27½ cents per pound, 250 pound drums at 28 cents, and smaller lots ranged from 29 cents upward, depending upon quantity.

Ester Solvents—The strong demand continued last week, with supplies on the short side, especially of the fermentation source esters. The lack of molasses had cut down seriously on the alcohol output, throwing that market into an acutely tight supply position. The by-products and derivatives of alcoholic fermentation operations had accordingly become scarce proportionately. Prices were firm at their higher levels recently established. Costs continued to mount, and how long current prices would hold was a matter of conjecture. Synthetic production did not suffer the threat to output that fermentation did, but the lessening of fermentation supplies tended to increase the pressure of demand on synthetic production, most of which moved from full capacity operations into consuming channels which had already contracted for it. Accordingly, there was little spot synthetic material available to take up the slack in fermentation production.

Ethylene Materials — A price spread, amounting to 1c. per pound in tankcars, still existed in current spot quotations. It was felt likely that the contracts for the next quarter would assume the high side of the current spot range, but there was nothing definite on this as yet. This situation applied to diethyleneglycol, ethyleneglycol, ethylene dichloride, and ethylene oxide.

Formaldehyde — The price pattern of this item remained unchanged, just as methanol from which it is made has remained unchanged, over a long period of time. Demand was strong, consuming channels taking large volume at a steady rate over recent months. There was no shortage of material, and, in view of the production capacity of the country, there was none expected. The only possibility of a shortage in the future would come from a shortage of methanol in the event that war nitrate requirements became so great that our vast methanol-producing equipment was in large part turned over to full-time production of ammonia. But the methanol capacity of the country has in postwar years been greatly expanded, and in all probability could handle wartime requirements for ammonia and still provide ample methanol. Synthetic production in May amounted to 5,382,736 pounds on a 37 percent basis, compared with April at 4,550,390 pounds.

Gelatin — Total non-photographic production of gelatins, mostly of the edible

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Acid, tartaric, 2c. per lb.
Cream of tartar, 1¼c. per lb.
Iron pyrophosphate, NF VII, 9c. per lb.
Menthol, $2.35 per lb.
Rochelle salt, 1c. per lb.
Seidlitz mixture, 1c. per lb.
Sodium citrate, USP VIII, 1½c. per lb.
Tartar emetic, 1c. per lb.
Triacetin, 9c. per lb.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	Aug. 19, 1949
265.3	258.2	257.0	254.4	259.6

(*For Current Prices see Page 9*)

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grade, amounted in June to 2,841,503 pounds, the Bureau of Census reported. May production stood at 3,085,267 pounds. After June shipments of 2,992,306 pounds, stocks left on hand at the end of the month amounted to 6,088,973 pounds.

Glycerin—Prices of refined material were unchanged from the higher levels established in mid-July. Demand was strong, and the market was relatively tight by virtue of curtailed production in the plants of refiners.

Most soap producing refiners of glycerin do not have sufficient amounts of their own crude glycerin to manufacture the full amount of glycerin which they normally turn out. Because of the fantastically high prices which small soapers and fat splitters are asking for their crude, said to be in the range of 35c. to 40c. per pound, these refiners cannot buy crude and refine it at current refined glycerin price levels. This also applies to straight refiners who are not soap producers.

The result was that less glycerin than normal was being refined, creating what informed sources termed an artificial and needless scarcity. How long this situation might last was a matter of conjecture. Demand for domestic needs, and for war production, was not significantly greater than it was over recent months, leaving no sound basis for the crude speculative spree.

Iron Pyrophosphate—The NF VII granular material advanced in price 9c. per pound in some quarters last week, becoming 78c. per pound in drums and ranging upward to 81c. depending upon quantity. Demand was quite limited. There was no change in the regular NF granular material, the advancing price being confined to the little used NF VII material.

Menthol — Under the pressure of demand against a not substantial spot stock of natural material, quotations were forced higher last week and following sales at $13.75 per pound holders set a market as high as $15 to $16 per pound. The price of $15.90 is the highest to prevail since December, 1944, when the market was quoted at $13.50.

Spot stocks were extremely small; some

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said they did not exceed one ton all told. Relief from shortage cannot come much before October but it was learned that much of the menthol expected to arrive from China in that month was already under engagement. The failure of China to make shipments at their normal time seemed to be responsible for current shortage. Hardly any consumer buying appeared in the market last week. Trading was principally between dealers. Some importers did feel that the market would ease some when shippers make steamer declarations for goods due to be sent to this country.

Milk Powder — Government purchases of skimmed milk powder for the week ended August 10 amounted to 6,840,545 pounds of spray process material and 1,358,840 pounds of roller process material, at parity prices. The total so far this year for government purchases of both roller and spray process skimmed milk powder amounted to 317,786,819 pounds, compared with 281,100,411 pounds during the corresponding period of last year.

Podophyllin—The market continued to gain strength from that clearly evident in mandrake root. The latter has come in for increasing demand sufficient in size to bring higher prices into being on a supply of root not normal to this writing. No immediate rise in podophyllin prices was forecast last week.

Propylene Materials—There still existed a spread of 1c. per pound in tankcars and 1¼c. per pound in drums on propylene materials in the spot market. It was felt likely that nearer the end of the quarter that contract prices for the next quarter would be established at the high side of the current spot range, but there was nothing definite on this as yet. This situation applies to dipropyleneglycol, propyleneglycol, propylene oxide, and propylene dichloride.

Quinine—The price position of the alkaloid and its salts remained unchanged. In Peru the government had taken over exclusively the production of quinine products and the processing of both cinchona bark and cocoa leaves. The action was said to be due to the failure of private entities to maintain production.

However, another dispatch from Peru stated that the production of quinine and its salts by the sole manufacturer in Peru had been discontinued because materials produced cannot compete in price with offerings from the Netherlands. Resumption of production was said to be dependent upon whether or not effective protection through the imposition of adequate import duties by the government was afforded the domestic producer on these currently duty-free products.

Rochelle Salt—Prices were up 1c. last week all across the board. Lots of 5,000 pounds were quoted at 28½c. per pound, 250-pound drums at 29c., 100-pound drums at 30c., and smaller lots varied upward as to quantity.

Salicylates—All producers have come up to the higher levels recently established in prominent quarters. On that advance some suppliers stopped accepting prompt delivery orders pending a decision with respect to establishing prices on the higher basis. Under the general pattern of the advance, drum prices were listed at $1.34 per pound for ammonium salicylate, $1.43 for calcium, $2 for magnesium, $1.40 for potassium and $1.65 for strontium. Methyl salicylate was established at 45c. per pound in 500-pound drums.

Seidlitz Mixture—Prices advanced 1c. per pound last week. Lots of 5,000 or more were quoted at 26¾c. per pound, and smaller lots varied as to quantity, drums being quoted at 27¼c. per pound and up.

Sodium Citrate—Prices in general remained firm, but there was an upward adjustment effected on the USP VIII material only, amounting to a raise of 1½ cents per pound. Current quotations on this item only advanced to 23 cents per pound in drums.

Sugar—Primary sugar distribution for the week ended August 5 amounted to 222,217 short tons on a raw value basis, compared with 263,937 tons the previous week. This brought the total to date to 5,156,241 tons as against 4,509,997 tons during the corresponding period of 1949.

Tartar Emetic—Higher prices by 1 cent per pound were effected in this market last week. Higher raw material and manufacturing costs were said to have necessitated the rise. Under the new schedule, technical material ranged from 47 to 52 cents per pound, depending upon the quantity, while USP material was priced in varying quantities from 52 to 55 cents per pound.

Tartaric Acid—Prices on domestic production advanced 2 cents per pound last week, as a result of the accumulation of higher raw material and manufacturing costs. Under the new schedule, USP acid in lots of 10,000 pounds was quoted at 31½ cents, 250 pound drums at 32 cents, and 100 pound drums at 33 cents. Smaller lots varied as to quantity up to 50¾ cents per pound for a single pound canister.

Imported acid in some quarters still sold at 27½ cents per pound, but the advancing domestic market tended to make the import market stronger and prices were said to be on the increase. Italian production of acid in 1949 was said to have dropped to 3,340 metric tons from the high 1948 output of 4,045 metric tons. However, the production rate was still in excess of the prewar level.

Triacetin—Prices advanced 9 cents per pound effective in mid-August. Under the new schedule drum quantities on a delivered basis were quoted at 45 to 46 cents per pound depending upon quantity.

Trade Briefs

Evans Research & Development Corporation, New York, has appointed John E. Boeheim a research assistant.

Harriet Hubbard Ayer, Inc., New York, has appointed Keith Porter, former general manager of Harriet Hubbard Ayer, Ltd., of Canada, sales manager of the parent concern.

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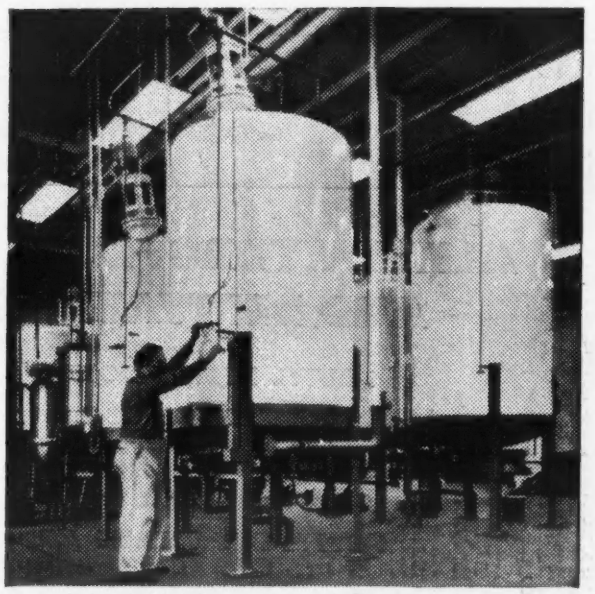

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Solvent Recovery System Developed by Two Firms

A new low-cost system of solvent recovery has been developed jointly by the Patterson Foundry & Machine Company, Liverpool, Ohio, and Pittsburgh Coke & Chemical Company, Pittsburgh, Pa. As described in a four-page bulletin issued by the manufacturers, the recovery system is designed for automatic, semi-automatic or manual operation and can be modified to process water insoluble, water soluble or mixed solvents.

In the water insoluble type the solvent-laden air is adjusted to the most advantageous adsorption temperature in a filter-cooler. It then passes for alternate periods through each of two adsorbers. The saturated carbon is steamed out, the steam removing the solvent as solvent vapor-steam mixture which is processed further in a condenser. Finally the solvent is decanted from the water. The water soluble type system is similar in operation except that after the condensing stage the mixture is passed through a continuous distilling column where the solvent is automatically separated by distillation. Copies of the new bulletin on the system are available upon request to the Patterson company.

Bristol Advances Todt

Hans C. Todt was named comptroller of Bristol Laboratories, Inc., Syracuse, N. Y., after serving for four years in the post of assistant comptroller. A graduate of New York University, Mr. Todt was with Bristol-Myers Company, New York, from 1936 to 1943, when he joined Bristol Laboratories.

Trade Briefs

Cutter Laboratories, Berkeley, Calif., has promoted Ralph Kjorlein from assistant credit manager to credit manager.

Charles E. Hires Company, Philadelphia, has named Peter W. Hires sales manager of the syrup and fixture division of the concern.

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Sodium Dispersions Bulletins Offered by National Distillers

Three technical bulletins describing the preparation, use and handling of sodium dispersions have been issued by the research division of National Distillers Chemical Corporation and are available upon written request to the sales offices at Ashtabula, Ohio.

Sodium dispersions consist of finely-divided particles of metallic sodium dispersed in inert media which boil higher than the melting point of sodium. They may contain up to 50 percent by weight of sodium metal with uniform particle sizes that can be controlled from submicron to twenty microns. They are easily handled in pipes at room temperature.

The bulletins are numbered 101, 102 and 103 and cover sodium dispersions in general, including some of the more interesting reactions made possible; laboratory sodium dispersion apparatus, and plant preparation of sodium dispersions.

National Distillers does not make sodium dispersions for industry, but will supply the techniques for preparation, use and handling, along with complete technical assistance. Samples of sodium dispersions are available for experimental purposes, however.

National Distillers Chemical Corporation began production of metallic sodium at its new plant in Ashtabula, Ohio, June 1. The plant has a capacity of 100,000 pounds of metallic sodium daily, plus 154,000 pounds of chlorine.

Stills Tax Exemption Made

In a correction relating to miscellaneous excise taxes, published August 16, the Bureau of Internal Revenue says:—

"A separator or dephlegmator, used solely for separating vapors of lower boiling points from vapors of higher boiling points, allowing the latter to condense and reflux to the still, and the former to pass forward to a worm or condenser, is not subject to the $22 tax."

Crotonaldehyde Bulletin Offered

Niacet Chemical Division, United States Vanadium Corporation, Niagara Falls, N. Y., has published a bulletin on crotonaldehyde outlining physical and chemical properties, the current specifications, and the latest information on shipping and handling of this reactive material. The publication reviews the chemistry of crotonaldehyde showing how butyl alcohol, butyl acetate, quinaldine, maleic acid, crotonyl alcohol, crotonic acid and other related derivatives can be made. Copies of the bulletin (24) can be obtained upon request to Niacet, 966 Niagara Building, Niagara Falls, N. Y.

Arapahoe Has New Price List

Arapahoe Chemicals, Inc., Boulder, Col., has issued a new and completely revised price list itemizing the firm's line of fine chemicals. Technical data sheets or bulletins, describing most of these products, are also available upon request to the company, 2800 Pearl street, Boulder, Col.

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Imports at United States Ports

New York

ACRYLONITRILE MONOMER—1 cs. Republic Chemical Corp, Rotterdam
ALCOHOL, FATTY—1 cs, Gehrig Hoban, Oslo
ALUM—126 bgs, Charles Tennant Sons, Hull
AMMONIUM BICARBONATE—670 dms, Chemical Manufacturing Co, Liverpool
CHLORIDE—4.731 bgs, Chemical Manufacturing Co, Liverpool
AMYRIS BALSAMIFERA OIL—5 dms, Norda Essential Oil & Chemical Co, Miragoane
ANILIN COLORS—18 dms, Rotterdam
5 cans, Chemical Bank, Rotterdam
72 dms, Sandoz Chemical Works, Havre
ANNATTO SEED—184 bgs, Marcel Calvet, Puna
ANTIMONY ORE—897 bgs, Philipp Bros, Antofagasta
300 bgs, Associated Metal & Minerals Corp, Antofagasta
3,636 bgs, J W Hampton Jr, Antofagasta
716 bgs, Charles Tennant Sons, Antofagasta
ARABIC GUM—101 bgs, Stein Hall, Port Sudan
254 bgs, E Meen, Port Sudan
30 bgs, Dodwell & Co, Port Sudan
ARROWROOT—2,000 bgs, Morningstar Nicol, St Vincent
ARSENIC—20 dms, Overseas Metal & Ore, London
10 dms, N V Groma, London
ASBESTOS FIBER—575 bgs, Johns Manville, Fremantle
2,000 bgs, Johns Manville Corp, Capetown
ASCORBIC ACID—30 cs, Sterone Corp, Bremen
ASPHALT—359 bbls, Barber Oil Corp, Port of Spain
159 cms, Barber Oil Corp, Port of Spain
PETROLEUM—68,048 bbls, Shell Oil Co, Curacao
BABASSU OIL—240 tons, E F Drew, Sao Luiz
Do Maranao
240 tons Colgate Palmolive Peet, Sao Luiz
Do Maranao
733 dms, Wax & Rosin Products, Fortaleza
270 tons, Colgate Palmolive Peet, Sao Luiz
Do Maranao
BARBASCO ROOT—401 bdls, Granata Trading Co, Callao
32 bls, Astoria Pan Americana, Callao
444 bls, Callao
BAUXITE ORE—2,008 tons, Alcoa Mining Co, Paramaribo
5,300 tons, Aluminum Import Corp, Mackenzie
BAY OIL—2 dms, Dodge & Olcott, Roseau
2 dms, Barclays Bank, Roseau
BEEF GLANDS—6 bbls, Wilson & Co, Santos
BEESWAX—22 bgs, Smith & Nichols, Port Au Prince
8 bgs, Smith & Nichols, Cristobal
166 blocks, R Douglas, Aden
20 bgs, Machado & Co, Ciudad Trujillo
53 pkgs, H H Pike & Co, Curacao
28 pkgs, Geck Trading Co, Curacao
200 bgs, Samuel Zeitlins, Santos
204 bgs, William Diehl, Talcahuano
200 bgs, Samuel Zeitlins Sons, Santos
59 pkgs, Bankers Trust Co, Lobito
100 bgs, Wax & Rosin Products, Rio de Janeiro
12 bgs, Machado & Co, Puerto Plata
BERGAMOT OIL—10 cs, Citrus & Allied Essential Oils, Messina
75 qu cs, George Lueders, Messina
100 qu cs, Fritzsche Bros, Messina
6 half cs, Antoine Chiris, Messina
BERYL ORE—425 bgs, W H Muller, Victoria
BILE, CATTLE—16 dms, Vera Cruz
BISMUTH—66 boxes, Cerro De Pasco Copper Corp, Callao
BONE—649 bgs, Wilson & Co, Santos
BRUCINE—10 cs, Lo Curto & Funk, Glasgow
5 cs, Merck & Co, London
CANDELILLA WAX—2,500 bgs, M Argueso & Co, Tampico
1,625 bgs, G Jiminez, Tampico
CARAWAYSEED—400 bgs, Rotterdam
100 bgs, Catz American, Rotterdam
100 bgs, L Furth, Rotterdam
100 bgs, Becker Mayer, Rotterdam
100 bgs, J Bieler, Rotterdam
100 bgs, Joel Bieler, Rotterdam
50 bgs, Rotterdam
CARBAZOLE—3 cs, H A Gogarty, Rotterdam
CARBON, ACTIVATED—2 dms, American Cyanamid, Hamburg
CARDAMOMS—7 cs, B H Old, London
74 cs, William Martin, Puerto Barrios
23 cs, P H Petry, Puerto Barrios
CARNAUBA WAX—1,103 bgs, Fortaleza
222 bgs, Biddle Sawyer, Fortaleza
166 bgs, Cornelius Products, Fortaleza
555 bgs, American Union Transport, Fortaleza
166 bgs, Wax & Rosin Products, Fortaleza
34 bgs, Bank of London & S A, Fortaleza
11 bgs, Fortaleza
96 bgs, Cornelius Products, Rio de Janeiro
48 bgs, J W Hanson, Rio de Janeiro
125 bgs, Rio de Janeiro
CASEIN—500 bgs, E M Sergeant Pulp & Chem Co, Oslo
3,454 bgs, Industrial Raw Materials Corp, Gothenburg
407 bgs, Paul A Dunkel, Bordeaux
67 bgs, Tupman Thurlow, Rotterdam
400 bgs, Tupman Thurlow, Buenos Aires
1,000 bgs, American Cyanamid, Buenos Aires
2,000 bgs, New York Trust Co, Buenos Aires
1,900 bgs, Borden Co, Buenos Aires
1,745 bgs, E Long, Buenos Aires
1,060 bgs, Wilbur Ellis, Buenos Aires
700 bgs, Crawford Co, Buenos Aires
CASHEW NUT LIQUID—200 dms, Irvington Varnish & Insulator Co, Fortaleza
54 dms, Jacques Missir, Cochin
465,920 lbs, Irvington Varnish & Insulator, Cochin
CASTORBEANS—690 bgs, Baker Castor Oil Co, Bahiande
1,400 bgs, Spencer Kellogg & Sons, Hanta
378 bgs, Baker Castor Oil Co, Port Au Prince
850 bgs, Baker Castor Oil Co, Bahia
370 bgs, Chase National Bank, Cristobal
330 bgs, Spencer Kellogg & Sons, Cristobal
OIL—303 tons, Guaranty Trust Co, Fortaleza
275 tons, Fortaleza
CELERYSEED OIL—1 dm, Dodge & Olcott, Rotterdam
SEED—70 bgs, Levy & Lewis Co, Bombay
79 bgs, W E Martin, Marseilles
CHARCOAL—500 bgs, Union Carbide & Carbon Co, Kingston
COCONUT SHELL—1,000 bgs, Temperleys Haslehurst, Colombo
CHEMICALS—10 cs, Light Work Products, Rotterdam
500 bbls, Philipp Bros, Gdynia
200 bbls, Malmo
100 cs, Gallard Schlesinger Chemical Corp, Rotterdam
CHEMICAL SPECIALTY—15 cs, Pharmacia Labs, Gothenburg
CHESTNUT EXTRACT—2,000 bgs, Barkey Import Co, Genoa
CINCHONA PRODUCTS—110 cs, Guaranty Trust Co, Rotterdam
CINNAMON QUILLS—25 bls, Lo Curto & Funk, Colombo
CITRONELLA OIL—34 dms, Volkart Bros, Colombo
6 dms, Lo Curto & Funk, Colombo
12 dms, Wessel Duval, Colombo
27 dms, Ungerer & Co, Colombo
6 dms, George Lueders, Colombo
28 dms, Norda Essential Oil & Chemicals, Colombo
76 dms, Givaudan-Delawanna, Puerto Barrios
CLAY—40 cks, Danwill Co, Rotterdam
COALTAR ACID—3 dms, Merck & Co, Hull
DISTILLATE—90 dms, Merk & Co, Hull
COCAINE SOLUTION—6 cs, E Fougera, London
COCOABUTTER—334 bls, Metallo Chemical Corp, Bahia
834 bbls, Ernest Adler, Havre
CAKE—1,333 bgs, Maywood Chemical Co, Takoradi
105 bgs, Woodward & Dickerson, Kingston
COD OIL—25 dms, E F Drew, St Johns
31 dms, Scandinavian Oil Co, St Johns
94 bbls, Fidelity Union Trust, Halifax
CODLIVER OIL—106 dms, McKesson & Robbins, Hull
117 dms, Danca Export Import Co, Copenhagen
COLUMBITE ORE—600 bgs, Union Carbide, Lagos
COPAL GUM—644 bgs, Internatio Rotterdam, Matadi
143 bgs, O G Innes, Matadi
CREAM OF TARTAR—300 bbls, T M Duche, Barcelona
CRESYLIC ACID—44 dms, American British Chemicals, Sydney
155 dms, Monsanto Chemical Co, Avonmouth
119 dms, Union Carbide & Carbon, Manchester
125 dms, Monsanto Chemical Co, Manchester
110 dms, Lehn & Fink, Liverpool
26 dms, Tar Residuals, Liverpool
50 dms, Charles Page, Liverpool
CUTTLEFISH BONE—65 cs, Bordeaux
CYANIDE, PRECIPITATE—10 cs, American Metal Co, Puna
DAMMAR GUM—192 bgs, France, Campbell & Darling, Singapore
DIESEL OIL—55,744 bbls, Asiatic Petroleum Co, Curacao
DIETHYLAMINOACELOXYLIDINE—2 cs, Astra Pharmaceutical Products, Gothenburg
DIVI DIVI—240 bgs, S S Young, Kingston
DOGWOOD BARK—54 bgs, S B Penick, Kingston
DRAGON'S BLOOD—3 cs, Kavitz & O'Brien, Singapore
DRUGS, CRUDE—20 cs, Chemical Bank & Trust Co, Barranquilla
DYE EXTRACT—6 cs, Bank of Australasia, Melbourne
DYESTUFFS—1 cs, Rotterdam
5 dms, Rotterdam
40 cans, Rotterdam
1 cs, M J Corbett, London
EARTH COLORS—247 bgs, Charles B Chrystal, Avonmouth
EPHEDRINE HYDROCHLORIDE—2 cks, Antwerp
1 cs, Antwerp
ESSENTIAL OILS—10 dms, Vera Cruz
EUPHORBIA HERB—13 bls, Barber Steamship Lines, London
FERRO COLUMBIUM—62 dms, Penson & Co, Southampton
FERTILIZER—19 bls, Chase National Bank, Melbourne
23 bls, Chase National Bank, Sydney
FISH OIL COMPOUND—135 cs, J J Gavin, Oslo
FUEL OIL—280,028 bbls, Esso Standard Oil, Aruba
108,043 bbls, Whale Oil Co, Aruba
15,578 tons, Asiatic Petroluem, Punta Cardon
104,328 bbls, Hess Inc, Punta Cardon
94,008 bbls, Asiatic Petroleum, Curacao
74,336 bbls, Jagels Fuel Corp, Las Piedras
1,429 bbls, Shell Oil Co, Curacao
17,436 tons, Paragon Oil Co, Curacao
79,171 bbls, Metropolitan Pet Co, Curacao
20,000 bbls, Asiatic Petroleum Corp, Curacao
107,461 bbls, Esso Standard Oil, Caripito
CALL, SHEEP—1 ck, K H Landes, Lyttleton
GELATIN—400 dms, B Young & Co, London
GHATTI GUM—114 bgs, Intra Mar Shipping Corp, Bombay
GINGER—110 bgs, Charles T. Wilson, Kingston
GLANDS PORK—103 bbls, International Packers Commercial Corp, Buenos Aires
1 cs, Wilson & Co, Santos
GLUESTOCK—6 rolls, J Gorvers, Barranquilla
195 rolls, H Remis, Barranquilla
468 bdls, Siber Hegner & Co, Barranquilla
86 bls, Havana
GLYCERIN—20 cks, Tice & Lynch, Copenhagen
80 dms, Colgate Palmolive Peet, Kingston
GRAPHITE—250 bgs, Asbury Graphite Mills, London
500 bgs, J Dixon Crucible, Colombo
250 bgs, C Pettinos, Colombo
250 bgs, Charles Pettinos, Colombo
250 bgs, Superior Flake Graphite Co, Colombo
GUM—25 bgs, R D Heins, Aden
GYPSUM—520 bgs, Whittaker Clark & Daniels, Liverpool
CRUDE—2,975 tons, Newark Plaster Co, Walton
9,324 tons, National Gypsum Co, Dingwall
10,292 tons, U S Gypsum Co, Hantsport
HAARLEM OIL—10 cs, Rotterdam
HAKELIVER OIL—646 lbs, Strong Cobb, Capetown
IPECAC ROOT—8 bgs, Wessel Duval, Cartagena
8 bgs, Rosing Bros, Cartagena
IRON OXIDE—2,174 bgs, Smith Chemical & Color Co, Malaga
200 bbls, C C Goetz, Malaga
10 cks, H Rhodes, Liverpool
JASMIN OIL, ABSOLUTE—1 kilo, Florasynth Labs, Messina
JUNIPER BERRIES—84 bgs, Peek & Velsor, Leghorn
17 bgs, J W Lyon, Leghorn
KARAYA GUM—334 bgs, Stein Hall, Bombay
100 bgs, Innis Speiden, Bombay
399 bgs, J B Gruman, Bombay
133 bgs, Paul A Dunkel, Bombay
122 bgs, S B Penick, Bombay
110 bgs, W H Allison, Bombay
307 bgs, Thurston & Braidich, Bombay
KAURI GUM—26 bgs, S Winterbourne, Auckland
91 bgs, U S Industrial Chemicals, Auckland
KELP MEAL—100 bgs, F H Fromm, Halifax
KYANITE—2,451 bgs, Golwynne Chemical Co, Mombasa
LANOLIN—28 dms, National Bank of Australia, Melbourne
LEMON OIL—300 qu cs, Lo Curto & Funk, Messina
45 kilos, Florasynth Lab, Messina
151 cs, Lo Curto & Funk, Santos
LEMONGRASS OIL—12 dms, Verona Chemical Co, Cochin
6 dms, Lo Curto & Funk, Cochin
4 dms, Fritzsche Bros, Cristobal
LIME OIL—1 dm, Dodge & Olcott, Port Au Prince
LIQUIDAMBAR—5 dms, Honduras Products Corp, Cristobal
LIVERMEAL—500 bgs, Wessel Duval, Porto Alegre
LOCUST BEAN GUM—250 bgs, Rotterdam
LOGWOOD EXTRACT—83 cks, American Dyewood Co, Kingston
MACE—14 cs, C T Wilson, St Vincent
56 bgs, Getz Import Corp, Singapore
MAGNESIA CALCINED—2 cs, Davison Chemical Corp, Liverpool
MAGNESITE—3,600 bgs, Golwynne Chemical Corp, Madras
MANDARIN OIL—6 half cs, Messina
8 qu cs, George Lueders, Messina
MANGROVE BARK—2,367 bgs, Marcel Calvet, Esmeraldas
1,370 bgs, Marcel Calvet, Bahiande
1,270 bgs, M E Schoen, Bahiande
MARJORAM LEAVES—92 bgs, Bank of Chile, Arica
MEAL—1,050 bgs, Spencer Kellogg & Sons, Manta
MEDICINALS—11 cs, Charles Pfizer Co, Catania
2 cs, S B Penick, Vera Cruz
HERBS—1,313 bgs, Barcelona
39 bgs, J W Lyon, Leghorn
LEAVES—16 bls, S B Penick, Rotterdam
20 bls, Peek & Velsor, Rotterdam
5 bgs, Peek & Velsor, Rotterdam
OIL—14 dms, S B Penick, Malaga
SEED—34 bgs, S B Penick, Lagos
TAR—3 dms, S B Penick, Malaga
MENTHOL—50 cs, Bristol Myers, Vancouver
METHYL SALICYLATE—9 dms, Gallard Schlesinger Chemical Corp, London
METHYL TAURINE ANHYDROUS—2 dms, Kaufmann & Vinson, Rotterdam
MICA—100 cs, Asheville Schoonmaker, Madras
210 cs, Cornelis & Suhr, Madras
175 cs, United Mineral & Chem Co, Madras
159 cs, Hal Delphin, Madras
472 cs, United Mineral & Chemical, Calcutta
147 cs, James F Garneau, Calcutta
13 cs, Cornelis & Suhr, Calcutta
2 cs, Habers Export Agencies, Calcutta
23 cs, Asheville Schoonmaker, Calcutta
39 cs, Whittaker, Clark & Daniels, Calcutta
160 cs, Manchard Trading Corp, Madras
80 cs, Otto Gerdau, Madras
100 cs, General Commercial Acceptance, Durban
116 cs, Asheville Schoonmaker, Durban
64 cs, A A Camacho, Santos
14 cs, Western Hemisphere Raw Materials Co, Santos
127 cs, Sigbert Loeb, Rio de Janeiro
20 cs, Siegfried Cussel, Rio de Janeiro
39 cs, Brazilian Minerals & Timbers, Rio de Janeiro
30 cs, United Mineral & Chemical, Rio de Janeiro
149 cs, Sylvania Electric Products, Rio de Janeiro
64 cs, Western Hemisphere Raw Materials, Rio de Janeiro
MILK SUGAR—2 bgs, European Chemicals, Rotterdam
MOLASSES—1,921,487 gls, Industrial Molasses Co, Havana
MOLLE SEED—65 bgs, Marcel Calvet, Puna
MONTAN WAX—500 bgs, Strohmeyer & Arpe, Hamburg
MUSTARDSEED—200 bgs, Amaren Trading Corp, London
MYROBALANS—401 bgs, River Plate Import & Export Co, Bombay
1,447 bgs, Barkey Importing, Bombay
NAPHTHALENE—1,949 bgs, Guaranty Trust Co, Stettin
650 bgs, Antwerp
NAPHTHENIC ACID—800 bbls, Stanco, Inc, Aruba
NITROPHTHALMIDE—1 kg, Bergstrom Trading Co, Gothenburg
NUTMEGS—64 bgs, Charles T Wilson, St Vincent
48 bgs, Getz Import Corp, Singapore
OAKUM—107 cs, H S Williams Co, Rotterdam
OCOTEA CYMBARUM OIL—30 dms, Chase National Bank, Itajai
OITICICA OIL—415 tons, Bank of California, Fortaleza
OLIBANUM GUM—67 bgs, Tragacanth Importing Co, Aden
OLIVE OIL—462 dms, National City Bank, Tarragona
50 dms, Uddo & Taormina, Tarragona
115 dms, Chase National Bank, Tarragona
50 dms, Irving Trust Co, Tarragona
184 dms, Manufacturers Trust Co, Tarragona
200 dms, National City Bank, Malaga
212 dms, Central Hanover Bank, Malaga
250 dms, Manufacturers Trust Co, Malaga
274 dms, Credit Suisse, Malaga
550 dms, Guaranty Trust, Malaga
20 dms, Chase National Bank, Malaga
50 dms, Public National Bank, Malaga
100 dms, R V Delapenha, Malaga
900 dms, Malaga
231 dms, Chase National Bank, Seville
185 dms, National City Bank, Seville
993 dms, Manufacturers Trust Co, Seville
209 dms, Credit Suisse, Seville
50 dms, Public National Bank, Seville
75 dms, Central Hanover Bank, Seville
160 dms, Hellenic Bank & Trust, Seville
100 dms, Sterling National Bank, Seville
100 dms, Bank of Manhattan Co, Seville
50 dms, Seville
FOOTS—400 dms, Schroeder Bros, Tunis
OPIUM—251 cs, Barr Shipping Co, Istanbul
OPPONAX GUM—27 bgs, Tragacanth Importing Co, Aden
OURICURY WAX—61 bgs, Wessel Duval, Bahia
80 bgs, F B Ross, Bahia
OX GALL—1 ck, K H Landes, Timaru
11 tcs, International Packers Commercial Co, Buenos Aires
5 cks, Tec Chemical Corp, Auckland
3 tcs, Wilson & Co, Santos
4 cks, Bank of New South Wales, Brisbane
PALM OIL—1,321,600 lbs, Durkee Famous Foods, Hull
535 dms, Oriental Exporters, Monrovia
1,036 tons, Balfour Guthrie, Matadi
PALMAROSA OIL—2 pots, Volkart Bros, Bombay
PAPAIN—8 cs, Peek & Velsor, Colombo
45 cs, C L Huisking, Tanganyika
25 cs, De Hope Goldschmidt, Mombasa
22 cs, S B Penick, Colombo
PARSLEY OIL—1 cs, Dodge & Olcott, Rotterdam
PEATMOSS—106 bls, Bingham & Co, Bremen
300 bls, Halfmoon Trading, Rotterdam
1,700 bls, Bank of Manhattan, Dublin
PEPPER, BLACK—400 bgs, Volkart Bros, Cochin
400 bgs, Virchand Panachand, Cochin
60 bgs, Kellys America, Bombay
174 bgs, Beirut
74 bgs, Rotterdam
20 bgs, Kellys America, London
80 bgs, Mincing Trading Co, London
80 bgs, Colonial Commerce Co, London
84 bgs, Otto Gerdau, Singapore
42 bgs, Imperial Commodities, Singapore
158 bgs, East Asiatic Co, Halifax
PETROLEUM, CRUDE—123,548 bbls, Esso Standard Oil, Puerto La Cruz
122,387 bbls, California Refining, Ras Tanura
218,233 bbls, Cities Service Co, Amuay
165,923 bbls, Gulf Oil Corp, Mena Al Ahmadi
43,531 bbls, Shell Oil Co, Curacao
PERU BALSAM—6 dms, Magnus, Mabee & Reynard, Cristobal
PHLOXIN—4 bbls, L & R Organic Products, Antwerp
PIMENTO—107 bgs, John Hall, Port Au Prince
LEAF OIL—3 dms, Fritzsche Bros, Kingston
PIRETRO FLOWERS—7 bls, S B Penick & Co, Callao
POPPYSEED—150 bgs, Rotterdam
150 bgs, Rotterdam
325 bgs, Catz American, Rotterdam
300 bgs, Rotterdam
POTASSIUM CARBONATE—372 bbls, Hamburg
296 cks, Oil & Chemical Products, Hamburg
110 bbls, Millmaster Chemical Corp, Antwerp
CYANIDE—200 dms, Terra Chemicals, Rotterdam
PERMANGANATE—11 dms, Arnida Products Co, Hamburg
PSYLLIUM SEED—161 bgs, R J Prentiss, Bombay
298 bgs, R J Prentiss, Bombay
600 bgs, S B Penick, Bombay
224 bgs, T M Duche & Sons, Bombay
326 bgs, Parke Davis, Bombay
PYRETHRUM FLOWERS—12 dms, S B Penick, Antwerp
QUEBRACHO EXTRACT—250 bgs, International Products Corp, Buenos Aires
3,540 bgs, Tanimex Corp, Buenos Aires
RESIN, SYNTHETIC—489 bgs, F L Kraemer, London
RHUBARB ROOT—182 bgs, S B Penick, Bombay
ROSE OIL—1 cs, van Ameringen Haebler, Havre
ROSIN—3 cs, Piraeus
SAGE LEAVES—20 bls, Otto Gerdau, Trieste
5 dms, Dodge & Olcott, Cristobal
SANDALWOOD—100 bgs, George Lueders, Bombay
857 bgs, W J Bush, Bombay
SARSAPARILLA ROOT—13 bls, Tampico
SCHEELITE ORE—430 bgs, Charles Tennant, Arica
SEEDLAC—500 bgs, Ralli Bros, Calcutta
100 bgs, W Zinsser, Calcutta
SENNA LEAVES—75 bls, R J Prentiss, Tuticorin
SESAME SEED—1,867 bgs, Chase National Bank, Cristobal
500 bgs, W G Scarlett, Cristobal
414 bgs, Corn Exchange Bank, Cristobal
400 bgs, Foreign Commodity Exchange, Corinto
SHELLAC—200 bgs, Ralli Bros, Calcutta
5 bgs, F H Paul & Stein, Hamburg
SOAP BARK—132 bls, Callao
Chemical Works, Liverpool
SODIUM ALGINATE—10 bbls, Stein Hall, Oslo
BICARBONATE—3,980 bgs, Chemical Manufacturing Co, Liverpool
BICHROMATE—120 dms, Hudson Shipping Co, Rotterdam
CYANIDE—20 dms, Leviant & Co, Copenhagen
448 dms, Elbert & Co, Rotterdam
NITRATE—1 cs, Imperial Chemical Industries, Liverpool
SARCOSINE—3 dms, Kaufman & Vinson, Rotterdam
SULPHUR, PRECIPITATED—66 cks, Mallinckrodt
TEXTILE CHEMICAL—2 cks, Arnold Hoffman, Liverpool
THALLIUM SULPHATE—2 cs, Ore & Chemical Corp, Rotterdam
THEOBROMINE—18 bbls, Chase National Bank, Santos
TONKA BEANS—360 bgs, Prodag Inc, Puerto Cabello
TRAGACANTH GUM—35 cs, M N Hakkak, London
TRIMETHYLXANTHINE—10 cks, Antwerp
TUNG OIL—541 dms, Arnhold & Co, Vancouver
TUNGSTEN CONCENTRATE—333 bgs, South American Minerals & Merchandise Corp, Callao
940 bgs, Melbourne
UREA—280 bgs, Terra Chemicals, Rotterdam
VALONIA CUPS—1,622 bgs, Barkey Import Co, Izmir
VANILLA BEANS—15 cs, Zink & Triest, Roseau
54 cs, M Cortizas, Vera Cruz
76 cs, George Uhe & Co, Marseille
WATTLE BARK—2,205 bls, Hammond & Carpenter, Durban
547 bls, American Dyewood, Durban
1,650 bls, Olson Sales Agency, Durban
550 bls, River Plate Import & Import, Durban
EXTRACT—845 bgs, Olsen Sales Agency, Mombasa
WHEAT GLUTEN—224 bgs, Sydney
WHITE ZINC—3 bgs, International Chemical Dyestuff Co, Rotterdam
WHITING—400 bgs, T H Deutz, Hull
800 bgs, Pluess Staufer North American, Antwerp
WOLFRAM ORE—1,200 bgs, Arica
240 bgs, Westinghouse Electric, Melbourne
WOOL GREASE—150 dms, N I Malmstrom, Manchester
ACID—84 dms, N I Malmstrom, Liverpool
WAX—40 dms, N I Malmstrom, Liverpool
ZIRCON ORE—5,404 bgs, Bank of New South Wales, Sydney

Baltimore

ALUMINUM SULPHATE—1 cs, Davison Chemical Corp, Liverpool
BABASSU OIL—130 tons, Lever Bros, Sao Luiz Do Maranao
CARAWAYSEED—200 bgs, W G Scarlett, Rotterdam
CASEIN—250 bgs, Crown Cork & Seal Co, Havre
CELERYSEED—175 bgs, W G Scarlett, Bombay
IRON OXIDE—294 bgs, Malaga
MAGNESIUM SCRAP—58,240 lbs, P C Beek, Calcutta
SELENIUM, METAL, BLACK—6 bbls, Rotterdam
TARA PODS—1,000 bgs, Salaverry
WATTLE EXTRACT—1,051 bgs, Barkey Importing Co, Mombasa

Boston

CASEIN—368 bgs, Oxford Paper Co, Rotterdam
467 bgs, Tupman Thurlow, Rotterdam
CRESYLIC ACID—50 dms, G F Smith, Liverpool
50 dms, Charles Page, Liverpool
GLUE—100 bgs, D C Andrews, London
200 bgs, Hamburg
BONE—500 bgs, Manufacturers Trust Co, Hamburg
221 bgs, Manufacturers Trust Co, Hamburg
STOCK—101 bgs, Transatlantic Animal By-Products Corp, Genoa
IRISHMOSS—72 bls, Algin Corp, Havre
79 bls, T M Duche, Havre
MICA—153 cs, Eugene Munsell, London
MONTAN WAX—200 bgs, Innis, Speiden, Rotterdam
MUSTARDSEED—268 bgs, Stickney & Poor Spice Co, London
PEATMOSS—350 bls, Halfmoon Trading, Rotterdam
POTASSIUM PERMANGANATE—30 dms, I M Sobin, Rotterdam
QUEBRACHO EXTRACT—1,055 bgs, Bank of New York, Buenos Aires
653 bgs, First National Bank of Boston, Buenos Aires
SHELLAC—14 bgs, F H Paul & Stein, Hamburg
SODIUM SULPHIDE—186 dms, Chemical Manufacturing Co, Liverpool
UREA—20 bgs, Terra Chemicals, Rotterdam

Charleston

WATTLE EXTRACT—1,050 bgs, Barkey Importing Co, Mombasa

Los Angeles

LOCUST BEAN GUM—40 bgs, B S Browning, Genoa

Norfolk

COTTON LINTERS—1,586 bls, Hercules Powder Co, Santos
FERTILIZER—974 bgs, J C Jett, Avonmouth
1,404 bgs, S C Jett, Manchester
MICA—10 cs, Asheville Mica, Madras
WATTLE BARK—1,675 bls, American Dyewood, Durban
1,100 bls, River Plate Import & Export, Durban

Philadelphia

AMMONIUM CHLORIDE—1,100 bgs, Chemical Manufacturing Co, Liverpool
ANTIMONY OXIDE—800 bgs, National Lead Co, Glasgow
112,000 lbs, Moore Munger Clay, Avonmouth
672,000 lbs, United Clay Mines, Avonmouth
550,000 lbs, United Clay Mines, Avonmouth
1,086,400 lbs, Moore Munger Co, Avonmouth
233,072 lbs, Paper Makers Import Co, Avonmouth
CASTOR OIL—274,373 kilos, Santos
CELESTITE—1,427,104 lbs, E I du Pont de Nemours & Co, Avonmouth
CHROME ORE—4,512 tons, E J Lavino, Lourenco Marques
2,000 tons, E J Lavino, Masinloc
CLAY, BALL—224,600 lbs, United Clay Mines, Avonmouth
COCOA PRESS CAKE—328 bls, Ernest Adler & Co, Salvador Bahia
COPPER SCRAP—201 coils, Yokohama
CRESYLIC ACID—156 dms, Glasgow
GYPSUM—6,214 tons, United States Gypsum Co, Hantsport
LEAD—2,236 pcs, North American Smelting Co, Kobe
5,286 pcs, Philadelphia National Bank, Kobe
ALLOY SCRAP—563 pcs, Pacific Island Scrap Co, Yokohama
LEPIDOLITE ORE—676,120 lbs, Corn Exchange Bank, Walvis Bay

LIVERMEAL (UNEXTRACTED)—616 bgs, Buenos Aires
MANGANESE ORE—7,500 tons, E J Lavino, Takoradi
700 bgs, F B Vandegrift Co, London
MOLASSES—1,339,722 gls, Publicker Industries, Antilla
510,652 gls, I.C.E.A., Baibarien
NAPHTHALENE—1,949 bgs, Guaranty Trust Co, Szczecin
PETROLEUM, CRUDE—117,984 bbls, Texas Oil Co, Las Piedras
116,810 bbls, Texas Oil Co, Las Piedras
109,179 bbls, Gulf Oil Co, Las Piedras
129,397 bbls, Texas Oil Co, Pamatacual
112,089 bbls, Gulf Oil Corp, Mena Al Ahmadi
138,503 bbls, Atlantic Refining Co, Puerto La Cruz
120,768 bbls, Gulf Oil Corp, Puerto La Cruz
148,321 bbls, Gulf Oil Corp, Puerto La Cruz
120,513 bbls, Socony Vacuum Oil, Covenas
102,092 bbls, Atlantic Refining Co, Las Piedras
205,205 bbls, Texas Oil Co, Puerto La Cruz
115,583 bbls, Gulf Oil Corp, Puerto La Cruz
125,729 bbls, Gulf Oil Corp, Mena Al Ahmadi
QUEBRACHO EXTRACT—539 bgs, Carl M Loeb-Rhoades, Buenos Aires
1,104 bgs, River Plate Import & Export Corp, Buenos Aires
SODIUM BICARBONATE—999 bgs, Chemical Manufacturing Co, Liverpool
UREA—7,000 bgs, Chemical Manufacturing Co, Glasgow

San Francisco

ARSENIC—83 bbls, J H Baxter & Co, Gothenburg
CASEIN—300 bgs, Antwerp
CASTOR OIL—226 dms, Paul Nolz & Co, Bangkok
COPAL GUM—25 bgs, Internatio Rotterdam, Inc, Manila
COPPER SCRAP—419 pkgs, Kobe
COPRA—295 tons, El Dorado Oil Works, Isabella
1,000 tons, El Dorado Oil Works, Legaspi
500 tons, Cargill & Co, Siain
500 tons, El Dorado Oil Works, Siain
1,000 tons, Cargill Co, Cebu
300 tons, Western Vegetable Oil Co, Cebu
500 tons, El Dorado Oil Works, Cebu
COTTONSEED OIL—176 dms, Pacific Vegetable Oil Co, Pago Pago
PEATMOSS—1,500 bls, East Asiatic Co, Copenhagen
SESAME CAKE—373 tons, Pacific Vegetable Oil Co, Manzanillo
SEED—575 bgs, H M Newhall Co, Corinto
TUNG OIL—937 dms, Pacific Vegetable Oil, Taku Bar
VARNISH GUMS—70 bgs, H W Peabody Co, Manila

Trujillo City Alcohol Plant Now in Operation

A recently completed plant for the manufacture of absolute alcohol from molasses has begun production operations in Ciudad Trujillo, Dominican Republic, according to R. S. Aries & Associates, New York. Using approximately 6,500,000 gallons of local blackstrap molasses per year, the new plant, Destileria Universal, has a rated production of 7,200 gallons per day, or about 2,500,000 gallons per year.

The unit was built at a cost of over $600,000, and required one year to complete from breaking ground to initial operation. Designed to withstand earthquakes and winds with a velocity of 180 miles per hour, the plant is also equipped to produce rum over and above the absolute alcohol capacity. Output of the plant will be used for blending with gasoline, of which about 15,000,000 gallons are consumed annually in the Republic.

Detergent Bibliography Available

Dishwashing detergents and dishwashing machines are the subject of a new technical bibliography just released to the public through the Office of Technical Services of the Department of Commerce. The bibliography provides descriptive references on sixty-six representative patents in these fields, issued during the years 1932-1948. An index of inventors is included. PB 99428, "A Patent Survey on Dishwashing Detergents and Dishwashing Machines" is available from the department's OTS, Washington 25, D. C., at 50 cents per copy.

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Del Castillo & Co. Named Usnic Acid Sales Agent

Rafael del Castillo & Co., New York, has been named by Laaketehdas Orion Oy., of Helsinki, Finland, as exclusive sales representative for d-1 usnic acid. Usnic acid is a crystalline antibacterial material derived from the lichen *Ramalina reticulata*. Some research has been done on the material in relation to its prevention of nuclear fission and mitosis and in the inhibition of desoxyribonuclease. Usnic acid, when used in conjunction with streptomycin, has also been found effective in the treatment of tuberculosis.

Winthrop-Stearns Asks Injunction Against D_3 Patents Infringement

Charging infringement of its vitamin D_3 patents, Winthrop-Stearns, Inc., New York, has asked federal court in Chicago for an injunction against further alleged infringement by Vitamins, Inc., of Chicago, and for damages. The vitamin D_3 covered by its patents is marketed throughout this country by Sterwin Chemicals, Inc., which, like Winthrop-Stearns, is a subsidiary of Sterling Drug, Inc. Vitamin D_3, derived from 7-dehydochloesterol, is an important ingredient in poultry feeds, evaporated milk and other food products, and pharmaceutical preparations.

Farchan Has New Price List

The Farchan Research Laboratories, Cleveland, has announced a new "Acetylene Chemicals Price List A-3." Over eighty acetylenic chemicals and derivatives are listed, including hydrocarbons, diacetylene, alcohols, acids, esters, halides and amines.

Commercial grades of 3-butyn-1-ol, 2-methyl-3-butyn-2-ol and 1-ethynylcyclohexanol are now being offered in addition to technical grades of 1-hexyne, 1-heptyne and 1-octyne. Among the new listings are diethyl acetylene-dicarboxylate, tetrolic acid, 1-diethylamino-2-propyne, 1-chloro-4-octyne, 1-chloro-4-nonyne and 1-chloro-4-decyne.

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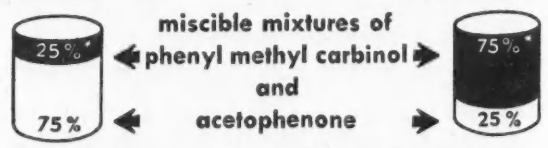

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Uses and Applications of Chemicals

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2-Tertiary-Butyl-4-bromodiphenyl

Chemical—Starting point (US 2248401) in making microbicides, antiseptics, preservatives, intermediates and other agents by hydrolysis.

Diacetin

(Glyceryl Diacetate)

Adhesives—Plasticizer in adhesive compositions containing cellulose acetate or nitrocellulose.

Ceramic — Plasticizer in compositions, containing cellulose acetate or nitrocellulose, used as coatings for protecting and decorating ceramic articles.

Chemical—Plasticizer for cellulose acetate, nitrocellulose.

Dye—Solvent for certain basic dyestuffs.

Electrical — Plasticizer in insulating compositions, containing cellulose acetate or nitrocellulose, used for covering wire and in making electrical machinery and equipment.

Glass—Plasticizer in compositions, containing cellulose acetate or nitrocellulose, used in the manufacture of nonscatterable glass and as coatings for protecting and decorating glassware.

Leather — Plasticizer in compositions, containing cellulose acetate or nitrocellulose, used in the manufacture of artificial leathers and as coatings for protecting and decorating leathers and leather goods.

Metal-Fabricating — Plasticizer in coating compositions, containing cellulose acetate or nitrocellulose, used for protecting and decorating metallic articles.

Miscellaneous — Plasticizer in coating compositions, containing cellulose acetate or nitrocellulose, used for protecting and decorating articles of various kinds.

Nonalcoholic solvent for various materials and purposes in industry.

Paint, Varnish, and Lacquer — Plasticizer in lacquers and dopes containing cellulose acetate or nitrocellulose.

Paper—Plasticizer in compositions, containing cellulose acetate or nitrocellulose, used in the manufacture of coated papers and as coatings for protecting and decorating articles made of paper or pulp.

Photographic — Plasticizer in making films from cellulose acetate or nitrocellulose.

Plastics — Plasticizer in making laminated-fiber and molded articles, also plastic materials containing nitrocellulose or cellulose acetate.

Resin — Plasticizer in solutions and other compositions of resins and nitrocellulose.

Rubber — Plasticizer in compositions, containing cellulose acetate or nitrocellulose, used as coatings for decorating and protecting rubber goods.

Stone—Plasticizer in coating compositions, containing cellulose acetate or nitrocellulose, used for decorating and protecting artificial and natural stone.

Textile — Plasticizer in compositions, containing cellulose acetate or nitrocellulose, used in the manufacture of coated fabrics.

Wood—Plasticizer in compositions, containing nitrocellulose, used as protective and decorative coatings on woodwork.

Dialkylphenol Sulphide

(Santowhite)

Rubber—Suggested as antioxidant in making both white and light-colored rubber articles.

Di-secondary-butyl-6-phenylphenol

Miscellaneous — Claimed (US 2248401) as antiseptic, microbicide, preservative; suggested for experimental use in preserving adhesives, carbohydrates, inks, latexes, leathers, paints and other coatings, proteins, and various animal and vegetable products.

Ethyl Ethylenesulphonate

Chemical—Starting point (US 2348705) in making polymers and copolymers.

Gammathiocyanomethylether of 3-Phenylphenol

Pesticide—Toxicant (US 2185208) in insecticidal compositions.

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Alphacellulose Production At Can. Plant Due in '51

The new $27,000,000 high alphacellulose plant of Columbia Cellulose Company near Prince Rupert, British Columbia, Can., is expected to get into production during the first quarter of 1951. The announcement was made by Harold Blancke, president of Celanese Corporation of America, New York, the parent organization, upon completion of an inspection trip to the plant and the 600,000 acres of timber land reserved to the company under a forest management license.

Mr. Blancke stated: "At the moment there is nothing in sight to interfere with the schedule which aims to have all major process equipment installed and ready for operation by the final month of this year." Columbia's plans call for production of high alphacellulose at an initial rate of more than 200 tons per day. This is the equivalent of approximately 44 percent of the 1949 consumption of high alpha pulp by the acetate, cuprammonium, and viscose high tenacity tire cord industries combined, and roughly equal to consumption of such material in the cellulose acetate rayon industry alone.

Mathieson Chemical Names Alfriend to Traffic Post

Mathieson Chemical Corporation has named Theodore B. Alfriend assistant traffic manager with headquarters in Baltimore, Md. Mr. Alfriend comes to Mathieson from the Baltimore Steam Packet Company (Old Bay Line), where he was traffic manager. He served with the Old Bay Line as general freight agent from 1934 to 1939 and as traffic manager after that date. Previously, he was with Seaboard Air Line Railroad Company.

Monsanto Dedicates Calif. Styrene Plastics Plant

Monsanto Chemical Company, St. Louis, Mo., which last week dedicated a new plant at Long Beach, Calif., has become the first producer of styrene plastics West of the Mississippi River. The new unit will be under the supervision of Irving C. Smith, general manager of Monsanto's western division. Previously, West Coast molders were entirely dependent upon eastern producers for supplies of styrene plastics.

Bodeker Promotes Two

The Bodeker Drug Company, Richmond, Va., announced August 17 the promotion of Charles H. Miller from secretary to assistant vice president. Mr. Miller is a son of the late Henry F. Miller, president of the wholesale drug firm from 1900 to 1939. R. Milton Hobson, formerly assistant secretary has been named secretary.

Body Bros. Organized

Body Bros., Inc., has started the manufacture of industrial paints and finishes at 125 Willis street, Bedford, Ohio. Louis F. Body is president, Robert W. Body, vice-president, and Alfred C. Body, secretary.

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Obituaries

William Archibald, jr.

William Archibald, jr., a partner in the firm Van Norden & Archibald, New York, died August 12 in White Plains, N. Y. He was fifty-seven years old.

A former president of the American Spice Trades Association, Mr. Archibald entered the spice business following his discharge after World War I as a second lieutenant in the Quartermaster Corps.

Craig F. Cullinan

Craig F. Cullinan, president of the American Republics Corporation, died August 15 in Houston, Tex. He was fifty-six years old.

Mr. Cullinan succeeded his father, the late Joseph S. Cullinan, as president of the oil holding company in 1928. His father had founded American Republics and was also an organizer of the Texas Company and the Corsicana Refining Company, later the Magnolia Petroleum Company.

William J. O'Callaghan

William J. O'Callaghan, manager of the marine sales division of Devoe & Raynolds Company, New York, died August 16 in Bronxville, N. Y. He was forty-five years of age.

James J. Dooner

James J. Dooner, a founder of Dooner & Smith Chemical Company, Newark, N. J., died August 15 at his home in Ocean Grove, N. J. His age was ninety-five.

Mr. Dooner started in the chemical business in 1882 with Barnard Chemical Company of Newark. After seventeen years with the Barnard concern, he joined with Arthur J. Smith to form his own company, which in 1907 was incorporated as the Dooner & Smith Company. That name was changed to the present firm name in 1915.

Myram Picker

Myram Picker, chairman of the board of directors of Gala of London, Ltd., Myram Picker, Ltd., and Henry C. Miner & Co., died August 10 in London, England. He was seventy years of age.

Carroll A. Rager

Carroll A. Rager, business economist in the chemicals division of the Department of Commerce, died August 15 in Philadelphia, where he was hospitalized following an operation made necessary because of an automobile accident a year and a half ago. He was fifty years old and had been a specialist in organic chemicals for the division since 1943.

Dr. Charles H. Warren

Dr. Charles H. Warren, dean of the Sheffield Scientific School at Yale University from 1922 until his retirement in 1945, and dean emeritus since that time, died August 16 in Torrington, Conn. He was seventy-three.

Samuel A. Williams

Samuel A. Williams, retired vice-president of the Johns-Manville Corporation, died August 14 in Nashua, N. H. He was sixty-seven years of age.

Mr. Williams began his business career as a laborer in the Brooklyn, N. Y., plant of H. W. Johns-Manville Company. In 1907, when the company bought the Asbestos Wood Company, of Nashua, N. H., he was made assistant superintendent. He later became superintendent of the Industrated Fiber Company, Lockport, N. Y., and in 1927 he built the second largest plant of the Johns-Manville Corporation at Waukegan, Ill.

In 1927 Mr. Williams moved to New York as production manager for all Johns-Manville plants, and two years later became vice-president in charge of production for all plants and mines. During World War II he was president of the J.-M. Service Corporation, which built and operated the Kansas Ordnance Plant, near Parsons, Kan. At his retirement in 1946 he was president of the Johns-Manville Production Products Corporation.

I. C. Brotzman, domestic production manager of the Lone Star Cement Company, New York, died in Bethlehem, Pa., August 16. He was forty-nine years old.

Samuel Kapnek, founder and chairman of the board of the Natural Gas Company, Hammonton, N. J., died in Philadelphia August 16. He was seventy-two years old.

Walter J. McKenna, assistant traffic manager of Boyle-Midway, Inc., Cranford, N. J., a subsidiary of American Home Products Corporation, died August 14 in Elizabeth, N. J. He was forty-one.

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Botanical Drugs, Spices, Gums

Botanical drugs continued in active demand to a point where numerous items joined the ranks of scarcity last week. The trend of prices was definitely upward and affected both large and small tonnage materials. Flavoring botanicals turned toward duller demand but most of them were firmer in price. The lull in sales, however, did not cause dealers to loose faith in the high value of merchandise actually in hand now. The market index rose 2.4 points to reach 189.3, the highest point to prevail since the third week of last May when it was 190.6.

Reports from domestic collection areas were disappointing. During the previous week, fair weather had prevailed over most of the mountain country in Virginia, North Carolina, Kentucky and Tennessee. Last week, rain returned and brought an end to the proper drying of new crop collections.

The early part of the 1949 collection season had been similarily wet but good drying weather came with June and more botanicals were gathered than had been expected earlier. In the 1950 collection season, rain has been continuous enough to create a crop shortage which is the more serious because the end of the collection season is but weeks away.

Large tonnage items are in subnormal stock at present. Smaller tonnage materials are joining the group of botanical scarcities. That the supply of articles of smaller use has become critical is a change from a year ago. In 1949 and 1948, collectors ignored such items by establishing prices so low that collection stopped. The current stocks are so small as to make replacement buying often imperative—and the goods are not coming in regardless of a general lift of buying prices.

The growing shortage has turned local dealers toward the conservation of supplies. One medium to that end is that of advancing prices to discourage scare-buying such as came with the Korean crisis. Conservation of stocks is needed by whatever medium.

Barks

Cascara—The advance appeared to have rather farther than demand would support and spot offerings last week were made around 30c per pound. Upwards of 33c was quoted. However, the basic market position was generally admitted to be one of some strength.

White Pine—Those with stocks in hand have often been compelled to become reserved in selling, especially in quarters where the article is required for manufacturing into extracts and the like. Well rossed bark last week was higher at 18c to 20c per pound.

Wild Cherry—Thin natural was higher at 15c to 16c per pound and not too plentiful. Thin green, well rossed bark was also advanced under good demand, limited stocks, and restricted offerings; the market ended last week at 18c to 19c.

Beans

Vanilla—Madagascar was reported striving with some success to establish a higher shipment price on bourbons. For the most part, foreign markets were of considerable firmness in contrast with the rather limited interest of consumers in this market. However, dealers did say last week that interest had increased in some degree and that business was done over the range of $3.75 to $4 per pound. Mexicans were extremely scarce and any quotation would be purely nominal.

Flowers

Chamomile—Spot stocks of Hungarian flowers were almost exhausted and no merchandise is due for early arrival at this port. Quotations were higher at 65c. to 85c. per pound and seemed to be virtually nominal at either end of the range.

Malva—Very steady spot prices, irrespective of the lack of much consumer interest of late, appeared not to be subject to shading at any time because of the prevailing cost to replace.

Herbs and Leaves

Catnip—Rains returned again to the collection areas. The result has been that not a great deal of catnip has been collected and dried. The tendency of suppliers last week was to choke off demand as much as possible with a view to making a probably small crop go as far as possible.

Lobelia—The collection should be on in earnest at this time but reports from collection areas last week mentioned more rain and less gathering of lobelia. A dry period of some length will be needed to get a crop equalling the small collection of 1949.

Passion Flower—Goods of new crop origin have been bought at a price sufficiently low to permit resale offerings on the basis of 25c. to 26c. per pound.

Witch Hazel—The spot market was 20c. to 22c. per pound to coincide with what has been paid for new crop. However, collection lags behind that of a year ago and a return to higher prices would not surprise.

Miscellaneous

Grains of Paradise—Under some competitive pressure quotations yielded slightly to buyers' bids. Business was done at 44c. to 45c. per pound.

Irish Moss—Some French shippers are unable to offer anything at this time and are doubtful of the quantity they may have in hand ultimately. Spot quotations were up to 18c. to 20c. per pound.

Lycopodium—Doubt respecting future supply continued to strengthen sellers' price views. The market was firmly held at $1.35 to $1.50 per pound last week.

Roots

Blood—The higher prices to be paid in the primary market have strengthened those asked for spot stocks. The usual quotation local circles was 47c. and 50c. per pound last week.

Galangal—Each lot of root detained by the Food and Drug Administration on arrival here makes for future uncertainty with respect to supply. A detention of 200 bales because of live insects was reported last week. The spot market was up to 25c. to 30c. per pound.

Mandrake—While major buying in carlot quantities has yet to appear, more interest in offerings was shown by some con-

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Drugs

Blood root, 2c. per lb.
Chamomile flowers, Hungarian, 10c. per lb.
Galangal root, 3c. per lb.
Ginger root, African, 3c. per lb.
Irish moss, 2c. per lb.
Lycopodium, 5c. per lb.
Rhubarb root, Chinese, 5c. per lb.
Senega root, 10c. per lb.
White pine bark, 2c. per lb.
Wild cherry bark, thin, natural, 2c. per lb.
rossed, thin, green, 2c. per lb.

Other Articles

Celery seed, Indian, shipment, 1c. per lb.
Mace, Siauw, 15c. per lb.
West Indian, spot, 3c. per lb.
Nutmegs, E. I., broken, limed, 6c. per lb.
whole, shrivels, 6c. per lb.
110's, 6c. per lb.
West Indian, 2c. per lb.
Pepper, black, spot, 5c. per lb.

Prices Reduced

Drugs

Vanilla beans, Bourbon, 25c. per lb.
Witch hazel leaves, 3c. per lb.

Other Articles

Caraway seed, Dutch, ½c. per lb.
Grains of paradise, 1c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	Aug. 19, 1949
189.3	186.9	185.0	193.6	176.5

(*For Current Prices see Page 9*)

Imports Detained by FDA

Week Ended August 11

New York

Angelica root, 6 bags: live insects.
Cassia buds, 85 bales: live and dead insects.
Cod oil, 40 drums: decomposed.
Ergot, 62 bags: filthy; not NF.
Galangal root, 200 bales: live insects.
Henbane leaves, 9 bales: not official variety.
Juniper berries, 84 bags: live and dead insects.
Kola nuts, 20 bags: insect excreta; live insects; insect bored.
Mineral water, 26 cases: no quantity of contents; no ingredient statement; no English label.
Pepper, black, 274 bags: moldy and insect bored.
Rhubarb root, 24 cases: insect bored and contains live insects.
Sage leaves, 72 bales: filthy.
Senna seed, 168 bags: filthy.
Sesame seed, 1,600 bags: live and dead insects; filthy.

Baltimore

Chicory root, 189 bags: moldy, wet bags, filthy sweepings.

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sumers and the tendency of sellers was to raise quotations on the development of sustained buying against future needs.

Rhubarb—Very little Chinese root was in hand. What was available was held at 75c. to 80c. per pound for whole and 85c. to 90c. for powder. Twenty-four cases of badly needed root were detained by the Food and Drug Administration which agency reported the presence of live insects together with root that was insect bored.

Senega—Some would not let any go under $1.90 per pound but a more general asking price was the higher level of $1.80 last week. A much stronger market has developed.

Seeds

Caraway—Some spot offerings of Dutch seed were made at the lower price level of 16c. to 16½c. per pound.

Cardamom—No settlement came or was in sight. Prices were strong. Stocks were small to nil in local quarters. Replacement was rarely offered.

Celery—Indian seed for prompt delivery was higher at 28c. to 28½c. per pound. French remained firm at 42c. to 43c., which price leaves an excellent profit on goods arriving or in nearby position.

Fenugreek—Arrival of seed from Morocco failed to break the spot quotation on such material. In fact, all fenugreek seed was firmly maintained.

Strophanthus—The Belgian Congo agricultural research organization, INEAC, is reported to have made some test plantings of strophanthus at its experimental station at Yangambi, near Stanleyville, Belgian Congo. It has not published any information concerning its findings as to the possible value of the varieties occurring in the Colony.

Spices

Ginger—African root was higher at 48c. to 50c. per pound; some suppliers would not go under 50c. Jamaican root was firm to strong and some expected that

—*Continued on page 74*

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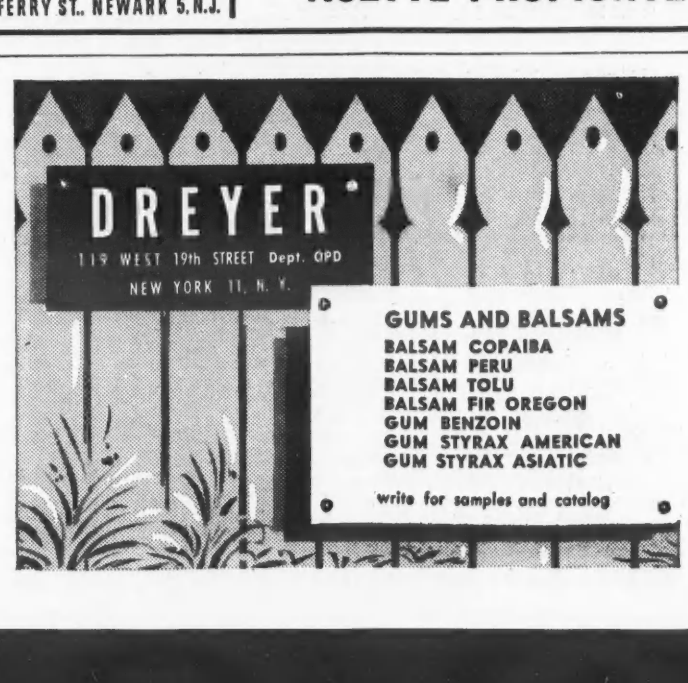

Essential Oils, Other Aromatics

Despite reports of a subsidence of the heavy buying which was the feature of the essential oils and aromatic chemicals market for the past month, there continued to be a good deal of active trading. The tone of the market remained strong and prices, for the most part, advanced or held firm. The one notable price reduction occurred in the market for peppermint oil, which was in good supply. Angelica root and seed oils were able to command considerably higher prices as were mace, rue and pennyroyal oils. Sandalwood oil, which had remained unmoved for some time, followed other Far Eastern oils with a price rise. Anise and lemongrass oils both gained new strength. Among the citrous oils, grapefruit and the domestic orange oils brought higher returns, as did Italian bergamot oil. Other advances were made in the quotations of celeryseed, coriander, pimento leaf and wormseed oils. The price index advanced 1.6 points to stand at 151.6.

Domestic citrous oils grew increasingly strong, with both Florida and California orange oil offers moving up in price and grapefruit oil doing the same. Reports have been made of the high consumption of citrous fruits this past year, leaving smaller quantities available for oil production. In addition, new methods of producing frozen orange juice, using rinds as well as pulp, have closed a cheap source of oil. Italian bergamot oil also gained strength and the Consortium informed dealers that no further supplies would be available for the remainder of this month.

Dillweed oil was reported to be in firm hands at the source and shippers were apparently attempting to hold out for higher returns. Some oils which had remained fairly static for a long while have followed the trend and moved up. These included angelica, sandalwood, rue and mace oils. Those materials which have been extremely short, such as geranium, vetiver, anise and cassia oils, continued unchanged, still presenting a problem to both suppliers and consumers.

Market Trends

Prices Advanced

Angelica root oil, $15 per lb.
seed oil, $10 per lb.
Anise oil, 5c. per lb.
Bergamot oil, natural, 10c. per lb.
Birchtar oil, crude, 30c. per lb.
rectified, 40c. per lb.
Celeryseed oil, 25c. per lb.
Citronella oil, Java, 10c. per lb.
Coriander oil, $1 per lb.
Grapefruit oil, 10c. per lb.
Lavandin oil, 35c. per lb.
Lavender flower oil, 38-40%, 10c. per lb.
40-42%, 35c. per lb.
Lemongrass oil, 10c. per lb.
Mace oil, 10c. per lb.
Orange oil, Calif., 5c. per lb.
Florida, 15c. per lb.
Pennyroyal oil, 85c. per lb.
Pimento leaf oil, 10c. per lb.
Rue oil, 50c. per lb.
Sandalwood oil, 25c. per lb.
Wintergreen oil, north, 5c. per lb.
south, 5c. per lb.
Wormseed oil, 25c. per lb.

Prices Reduced

Cedarwood oil, cans, 10c. per lb.
Peppermint oil, natural, 30c. per lb.
redistilled, 10c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	Aug. 19, 1949
151.6	150.5	136.5	102.8	108.5

(For Current Prices see Page 9)

Essential Oils

Angelica—A sharp rise in the price of root oil was registered last week, putting the range of quotations at $125 to $190 per pound. Seed oil showed a similar move and was offered between $110 and $130 per pound. Limited activity was reported for both materials.

Anise—While one dealer offered the oil at $1.25 per pound, the majority placed their prices at or above $1.35 per pound. Shipping prices have been reported to be above the minimum spot offer. According to one observer, prices may be expected to climb still higher, partly because of the Far Eastern situation and partly because of the shortage of the basic materials of synthetic anethol, which can be derived naturally from this material and thus may prove a drain on the supply.

Bergamot — Additional strength was added to this market with an increase of 10c. per pound for the Italian item, which was offered at $4.85 to $5.60 per pound. Consumers showed only mild interest in the oil. Cables received from the Consortium by one firm indicated that there would be no further shipments during the month of August and that the September allocations have not yet been made.

Birchtar—Somewhat limited in supply, this item was priced a bit higher than previously. Crude oil could be had at $1.10 per pound and the rectified item at $4.35.

Cassia—Prices held firm and some dealers reported complete depletion of stocks. A review of the situation by one dealer concluded that, although well stocked, Chinese merchants were reluctant to exchange their wares for currency which cannot be used for buying abroad. It also stated that they were holding out on selling in an attempt to appear independent in order to command stronger prices. Any favorable change in the international situation, it was felt, might easily and quickly improve trading conditions.

Cedarwood — As a domestic item in rather good supply, this oil was offered from 30c. to 50c. per pound, depending upon container and quality.

Celeryseed—There was an increase of 25c. per pound in the lowest quotation of this oil, which could be bought for $16 to $17.50 per pound. Supplies were limited and there was the usual small amount of trading.

Coriander—This market continued to exhibit strength and quotations moved up $1 per pound to range between $22 and $26.50 per pound. Some limited shipments were reported to be coming out of Czechoslovakia occasionally, however, it was impossible to tell how much might be expected at any time.

Dillweed — There have been reports received by dealers that growers, who apparently had good crops, were holding onto their material in the hopes of getting better prices. At the shipping centers, prices as high as the minimum spot quotation were being asked. This may be expected to tighten the position of the oil on the local market.

Geranium — With prices climbing still higher to range between $20 and $26 per pound for Algerian oil and between $22 and $26 for Bourbon material, consumers were showing reluctance to buy. One of the several yearly crops was expected in the near future, but dealers did not feel that it would improve the tight market conditions sufficiently. The various aromatic derivatives have reportedly felt the effect of the situation and have suffered both as to price and availability.

Grapefruit—Following the pattern of all citrous oils, this item moved up 10c. per pound and was offered between 70c. and 90c. per pound. Trading of the oil was somewhat lighter than that of the other citrous materials.

Lavandin—Following the trend of most French floral oils, this item showed an acute advance last week. Prices throughout the spot market ranged from $2 to $2.50 per pound. This was considerably higher than the prices which prevailed for the past few years.

Lavender—Flower oil continued to grow in strength, with 38-40 percent ester grade moving up to range between $3.60 and $4.60 per pound and 40-42 percent grade to $4 to $5.25. The 30-32 percent item continued to be offered at $2.25 by one dealer, but ranged up to $3.50 per pound. Spike oil also firmed up and was priced between $1.25 and $1.70 per pound.

Lemon—There was stability in this market and California oil was quoted at the unchanged prices of $3.35 to $3.75 per pound, according to producer, while Messina oil remained at $3.60 to $6.50 per pound. According to a report prepared by one supplier, this year has seen an unusually high demand for lemons, both domestic and Italian. This left a smaller than normal quota of the fruit for oil production, resulting in the rather high prices which prevail.

Lemongrass—Constantly rising shipping costs have further strengthened the spot price to a position of $2.30 to $2.80 per pound. Supplies have lessened considerably and there has been some difficulty in meeting demand.

Mace—Reflecting the sharp rise in the price of the spice, last week brought increases in the oil quotations, which stood at $3.30 to $4.75 per pound, considerably more than previous prices.

Orange—Florida oil moved higher last week, ranging in price from 70c. to $1 per pound. Oil of Californian origin also showed new strength. The minimum offer advanced 5c. per pound to 80c., but most quotations were made at $1 to $1.25, depending on brand.

Patchouli—Although one supplier continued to quote the oil at $20 per pound,

For Late Market Developments, See Page 4

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all other offers were made at $22 to $24 per pound. Supply conditions were only fair, but evidently sufficient to fill the requirements.

Peppermint—One of the few items to be reduced in price last week, this oil was offered at 30c. a pound below the previous week. Natural oil was available at $5.75 to $7.25 per pound and redistilled oil at $6.25 to $7.65. According to a report prepared by the Bureau of Agricultural Economics, the 1950 crop was estimated at 1,583,000 pounds, or one percent lower than last year. Production in Indiana, the largest producting state, was found to be smaller than last year, but Michigan, Oregon and Washington have all had greater yields.

Pimento—A 10c. per pound increase in the price of leaf oil was noted last week putting the item at $1.50 to $1.70. The article seemed to be in rather tight supply. Berry oil maintained the position arrived at several weeks ago, ranging between $5 and $5.75 per pound.

Rue—Like most European oils, particularly those of French origin, this material has shown some tightening and spot quotations moved up 50c. per pound. The limited quanitities available were priced between $3 and $3.25 per pound.

Sandalwood—After a prolonged period during which there was no price activity, this item last week moved up 25c. per pound. It was offered mainly at $12 but ranged up to $12.50. The billets being one of the few items of Asian origin which had not previously tightened with the coming of political strife to that area, the advance did not come as a surprise to handlers, who expressed the opinion that additional firmness might be expected.

Spearmint — The estimated 1950 crop has been reported by the Department of Agriculture to be 9 percent smaller than last year. It will total 521,000 pounds. The decrease in the size of the crop was attributed to a lower average yield and a generally smaller acreage devoted to planting this year. Prices for spot material remained steady, ranging from $3.50 to $4.50 per pound.

Vetiver—A single offer of Bourbon material was made at $20 per pound. Throughout the market, however, prices ranged closer to the top offer of $24. In the opinion of dealers, prices may be expected to continue their upward trend for some time.

Wintergreen—While the general tone of this market was one of stability, there was a slight increase in the low offers of both northern and southern material. The former was priced at $7.15 to $18 per pound and the latter at $3.80 to $19.50.

Aromatic Chemicals

Anethol — After a period of several months during which this item was offered in abundance, last week saw the begin-

—*Continued on page 74*

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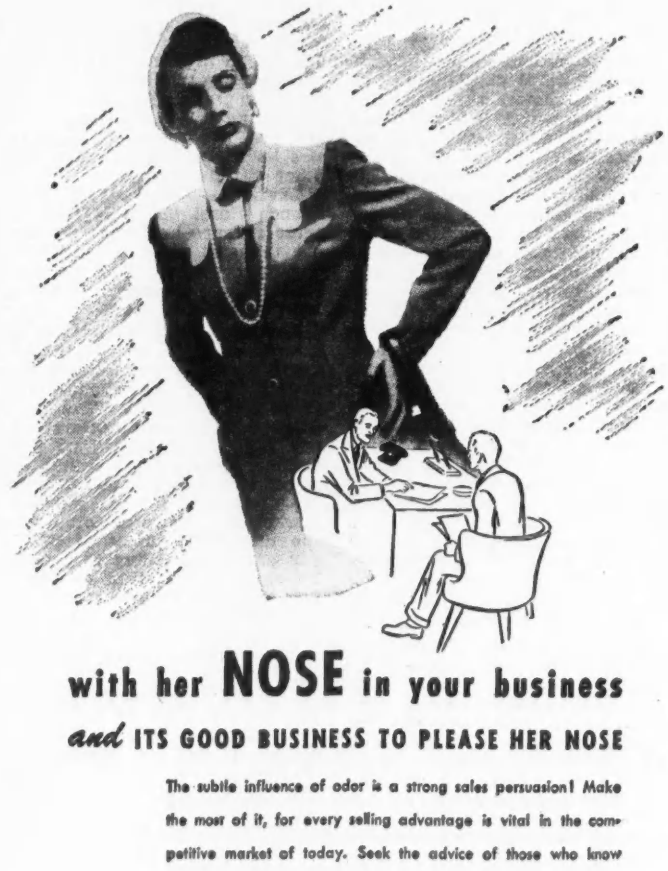
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Protective Coatings Materials

The weight of the price movement was on the up side during the past week, advancing the index figure for the period from 176.4 to 178.2. Demand was picking up well in many lines and supply in some cases was tightening.

Domestic standard casein was up again and so was the imported. The domestic premium held to former listings, however. Cellulose acetate-butyrate flake was up and barytes was also showing strength. Lead metal was higher and this brought about increases in the oxides, blue and white basic sulphate, white basic carbonate and white basic silicate. Litharge and orange mineral were also stronger. Bleached, bonedry and refined grades of shellac showed no change but there were advances in Lemon No. 1, No. 2, superfine and TN. Tricresyl phosphate was higher and the 35 percent and 50 percent leaded grades of zinc oxide were up as a result of the increase in lead metal.

Sellers of many diverse types of materials, both in the protective coatings market and in related markets, found business in general good and orders increasing. Nearly all of them pointed out that there was little scare buying going on. They said that there had been some a few weeks back but that at present most of the ordering represented purchases necessary for continuing current business operations.

Zinc metal was in a strong market but the price was unchanged and there were no revisions in the oxides. Stearates were still holding to former levels, although stearic acid had gone up. Natural gums were showing strength and the demand for them was reported to be on the upswing.

Market Trends

Prices Advanced

Barytes, water-grd., c.l., St. Louis, $2.55 per ton.
l.c.l., St. Louis, $1.75 per ton.
ex whse., New York, $3.80 per ton.
Casein, domestic, standard, 1½c. per lb.
imported, 2½c. per lb.
Cellulose acetate-butyrate, flake, 17%, 17.5%, 26.5%, 37%, 2c. per lb.
48%, 4c. per lb.
Lead, blue, basic sulphate, ¾c. per lb.
red, 95%, 97%, 98%, 1c. per lb.
white, basic carbonate, ¾c. per lb.
basic silicate, ½c. to 1c. per lb.
basic sulphate, ¾c. per lb.
Litharge, 1c. per lb.
Orange, mineral, 1c. per lb.
Rosin, gum, Savannah, H, 13c. per 100 lbs.
I to WG, 12c. per 100 lbs.
Shellac, lemon. No. 1, No. 2, superfine, TN, 2c. per lb.
Tricresyl phosphate, tanks, 2¼c. per lb.
carload, less carload, 2½c. per lb.
Turpentine, gum, Savannah, 1c. per gal.
Zinc oxide, leaded, 35%, ½c. per lb.
50%, leaded, ¾c. per lb.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	Aug. 19, 1949
178.2	176.4	176.4	196.4	208.6

(*For Current Prices see Page* 9)

Prime Pigments

Earth Colors—Landed in this country last week were 247 bags from Avonmouth.

Green, Chrome—Production of the CP during the month of June amounted to 621 short tons, according to the Bureau of Census. This was slightly lower than the previous month's output of 634 short tons. A year ago in June the output came to only 380 short tons, however.

Lead Pigments—A price advance of 1c. in the metal last week brought with it advances in the pigments. Dry red lead went up 1c. This brought about the following listings:—red, 95 percent, 15¾c. in carloads and 15¾c. in less than carloads; 97 percent, 16c. in carloads and 17c. in less than carloads; 98 percent, 16¼c. in carloads and 17¼c. in less than carloads. Litharge was up 1c. to 14¾c. in carloads and 15¾c. in less than carloads. Orange, mineral, rose 1c. to .1910c. in less than carloads. Blue lead, basic sulphate, was up ¾c. to 14c. in carloads and 15c. in less than carloads. White lead, basic carbonate, rose ¾c. to 15½c. in carloads and 16½c. in less than carloads. White lead, basic silicate, advanced from ½c. to 1c. depending on grade, to a new listing of 14¼c. to 17¼c. in carloads to 15¼c. to 18¼c. in less than carloads. White lead, basic sulphate, was up ¾c. to 14c. in carloads and 15c. in less than carloads.

Yellow and Orange, Chrome—The Bureau of Census reported that during June 2,298 short tons of the CP were produced, as compared to 2,555 short tons during the previous year. Output during June of 1949 amounted to 1,229 short tons.

Yellow, Zinc—There was still a spread in the prices of this material last week. During the previous period some producers had advanced their listings from 21c. to 26c. but in other quarters the price remained unchanged. Last week it was learned that some were considering revising prices but others were still standing pat. Supply was said to range from reasonably good to tight, while demand was said to be fair to strong.

June production amounted to 451 short tons of the CP, according to the Bureau of Census report just issued. This measured against 323 short tons for the previous month and 589 short tons for the month of June a year ago.

Zinc Oxide—An increase of 1c. in the price of pig lead last week brought with it increases in the listings of 35 percent and 50 percent leaded zinc oxides. The former advanced ¼c. and the latter ⅜c. This made the new listings:—35 percent leaded, 14½c. in carloads and 15½c. in less than carloads; 50 percent leaded, 14⅜c. in carloads and 15⅜c. in less than carloads.

Fillers and Extenders

Barytes—This material was priced higher last week, with demand at reasonably good levels and the supply sufficient. The water-ground, in carloads, St. Louis basis, was $2.55 per ton, and the less carload $1.75 per ton higher. Ex warehouse, New York, it was up $3.80 per ton.

Calcium Carbonate—Imports of whiting last week amounted to 400 bags from Hull and 800 bags from Antwerp.

Natural Resins

The market for natural gums was reported to be in a much better position recently. With the demand for synthetics picking up, the call for naturals also was strengthening. It was said that there did not appear to be a great amount of scare buying. Business in general was showing a better tone and buyers seemed to be taking on goods to cover actual needs. One dealer said it was selling for only nearby delivery in an effort to discourage any scare buying that there might be. Prices were higher and in some cases there was a considerable spread. This was established for items that were not being offered now and on which sellers could not place an actual price at the moment. It was expected that the eventual prices would fall somewhere within the range.

A revision of listings showed the following recently established prices:—Copal, Congo, No. 2, 20c. to 22c.; Copal, Congo, No. 3, 17½c. to 19½c.; Manila, Loba, C. 28c. to 30c.; Manila, Loba, CBB, 26c. to 27c.; Manila, Loba, DBB, 25c. to 28c.; Manila, Loba, DK, 18c. to 24c.; Manila, Loba, dust, 7½c. to 9c. Nom.; Manila, soft, MA, 19c. to 21c.

Also, Philippine, pale, chips, 22c. to 24c.; Philippine, pale, nubs, 28c. to 30c.; Philippine, seeds, 17c. to 21c.; Philippine, sorts, 19c. to 21c.; Pontianak, chips, 16c. to 22c.; Pontianak, nubs, 26c. to 32c.; dammar, Batavia, A/E, 23c. to 25c.; dammar, Batavia, dust, 8c. to 10c.; dammar, Batavia, E., 12½c. to 14½c.; East India, Batu, bold, 11c. to 13c.; East India, Batu, nubs and chips, 7c. to 10c.; East India, Black, bold, 11½c. to 14c.; East India, black, unscraped, 9½c. to 12c.; East India, black, nubs and chips, 8½c. to 11c.; East India, pale, chips, 14c. to 16c.; East India, pale, nubs, 23c. to 26c.; Singapore No. 1, 34c. to 36c.; Singapore, No. 2, 23c. to 25c.; Sinagapore, No. 3, 9½c. to 11c.; Singapore, dust, 9½c. to 11c.; Elemi, 23c. to 24c.; Yacca, 6c.

Shellac—Bleached, bonedry and refined were unchanged as to price during the past week but there were advances of 2c. in the other grades. Lemon No. 1 became 50c. to 51c.; Lemon No. 2 advanced to 48c. to 49c.; Superfine was up to 46c. to 47c. and TN was higher at 44c. to 45c. Demand was continuing at high levels and there was no falling off noticeable. One house stated that all of its accounts were now covered through October and the buying that was being done was not scare buying. Customers were said to have the business on hand. The Indian market, it was reported, was continuing in a strong position. Supplies were sufficiently high to accommodate the normal needs of the market without any real difficulty.

For Late Market Developments, See Page 4

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Shellac imports last week included 200 bags from Calcutta and 119 bags from Hamburg. Seedlac imports included 600 bags from Calcutta.

Lacquer Material

Cellulose Acetate-Butyrate—Material of 17, 17.5, 26.5, and 37 percent butyryl content advanced in price 2c. per pound during the past week while 48 percent material went up 4c.

Tricresyl Phosphate—Both the coaltar and petroleum material advanced in price during the past week. Listings for both types were the same:—34c. in carloads, 35c. in less than carloads and 32¼c. in tanks. Higher costs of cresylic acid and phosphorous oxychloride were reported to be responsible for the advance. The increase amounted to 2¼c. for tankcar lots and 2½c. for carload and less carload lots. Demand was running to high levels.

Miscellaneous Materials

Casein—Further advances were noted last week in both domestic and imported material. Domestic standard went up from 32c. to 32½c. on the low of the range and from 33c. to 34½c. on the high side. The premium held at 29c. to 37c. Imported, acid-precipitate, was up from 33c. to 35½c. Rennet-precipitate held at 36c. to 37c.

Argentine material came back strong after displaying a bit of weakness early in the week. It was still difficult to obtain offers from the Argentine. Germany was reported taking a great deal and Norway and Finland also were in the market. Europe was offering none. Domestic slowed up a bit during the week, but not seriously. This is normally the slow time of the year. Consumers' inventories were thought to be covered for the present and a little beyond. Supply was satisfactory. One producer was protecting its regular customers by not taking orders of more than 2,000 pounds from new customers.

Casein was still arriving in this country from Europe last week, although these shipments represented material that had been contracted for some time ago. There was little or no material being offered in Europe today. The shipments included:—500 bags from Oslo, 3,454 bags from Gothenburg, 407 bags from Bordeaux; 902 bags from Rotterdam; 8,805 bags from Buenos Aires and 250 bags from Havre.

Glue—Arrivals of glue during the week included 100 bags from London and 921 from Hamburg. Gluestock landed in the amount of 201 rolls and 468 barrels from Barranquilla; eighty-six barrels from Havana and 101 bags from Genoa.

The following figures, in pounds, on production, shipments and stocks of hide glue for the month of June, as compared to the previous month and to June of a year ago were recently released by the Bureau of Census:—

	June 1950	May 1950	June 1949
PRODUCTION			
Total	5,269,152	5,874,882	5,009,039
Low grade	1,683,046	1,874,920	1,797,077
Medium grade	1,460,238	1,412,566	1,173,830
High grade	1,126,038	1,300,510	1,382,651
Ext. high grade	999,830	1,286,886	655,481
SHIPMENTS			
Total	5,186,734	*5,237,506	3,108,156
Low grade	1,699,153	1,755,972	1,228,968
Medium grade	1,453,146	*1,443,473	735,332
High grade	1,274,859	*1,448,263	716,823
Ext. high grade	759,576	589,798	427,033
STOCKS (END OF MONTH)			
Total	13,253,441	*13,171,023	14,075,194
Low grade	3,228,012	*3,261,700	6,584,115
Medium grade	2,643,667	2,583,420	3,248,253
High grade	3,106,512	*3,284,774	3,193,893
Ext. high grade	4,275,250	4,041,129	1,048,933

* Revised.

Stearates—Prices were still holding last week, although there were rumors to the effect that there might be revisions. There was nothing definite to them as yet, however. Stearic acid recently advanced and as of last week was in a steady position with the demand good. Normally a strong market for the acid is reflected in the stearates, although it generally takes a little time for anything definite to happen. Demand for the stearates was running at normally good levels and the supply was satisfactory.

Naval Stores

Pine Gum—Prices received by producers for crude pine gum delivered to processing plants during the week ended August 12 averaged $20.60 per standard

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Linoleum
Printing inks

ALBATOL MALEIC—MODIFIED 3480
USES: As a finished varnish and vehicle
Excellent drying properties

Manufactured and Sold by
The Albemarle Paper Manufacturing Co., Richmond, Virginia

barrel of 435 pounds, according to the Department of Agriculture. This compares with an average price of $20.16 for the previous week.

The twenty-three reporting plants received 31,641 barrels, or 1,376 barrels per plant, compared with 1,304 for these same plants a week earlier. The contents per barrel averaged 11.58 gallons of turpentine and 299.1 pounds of rosin. The gum was graded 54 percent WW, 17 percent WG, 11 percent N, 10 percent M and 8 percent K and below.

The record of the gum naval stores markets during the week ended August 18 was as follows:—

Gum Rosin

	Price per 100 lbs.						
	Savannah Exchange (Low of range)					New York c.l., f.o.b. N. Y.	New York l.c.l., ex whse.
	Mon.	Tues.	Wed.	Thurs.	Fri.	Friday	
B	$4.10	$4.10	$4.10	$4.10	$4.10	$6.50	$7.25
D	4.25	4.25	4.25	4.25	4.25	6.50	7.25
E	4.75	4.75	4.75	4.75	4.75	7.20	7.95
F	5.80	5.80	5.80	5.80	5.80	7.20	7.95
G	6.11	6.11	6.11	6.11	6.11	7.20	7.95
H	6.11	6.11	6.11	6.24	6.24	7.20	7.95
I	6.12	6.12	6.12	6.24	6.24	7.20	7.95
K	6.12	6.12	6.12	6.24	6.24	7.20	7.95
M	6.12	6.12	6.12	6.24	6.24	7.20	7.95
N	6.12	6.12	6.12	6.24	6.24	7.20	7.95
WG	6.12	6.12	6.12	6.24	6.24	7.40	8.15
WW	6.45	6.45	6.45	6.45	6.45	7.55	8.30
X	6.45	6.45	6.45	6.45	6.45	7.55	8.30
	Drums						
Sales	100	...	...	234	...		
Receipts	2,211	825	1,468	84	1,114		
Shipments	5,799	...	4	...	...		
Stocks	31,040	31,685	33,329	33,413	34,527		

Gum Turpentine

New York, Friday, tanker, f.o.b gal. (7 lbs.). .53
ret. dms., l.c.l., ex whse gal. (7 lbs.) .62

	Savannah Exchange, Bulk				
	Mon.	Tues.	Wed.	Thurs.	Fri.
Per gal	.45¼	.45¼	.45¼	.46¼	.46¼
Sales, bbls	...	...	...	...	...
Receipts, bbls	896	504	8	1,470	949
Shipments, bbls	1,855	162		451	142
Stocks, bbls	5,013	5,355	5,363	6,382	1,789

Trade Briefs

Eagle-Picher Sales Company has appointed Glen J. Christner general manager of insulation operations.

Kaiser Gypsum, a division of Kaiser Industries, Inc., San Francisco, Calif., has named Louis C. Ball as assistant to the general manager, Claude E. Harper.

Hachmeister-Inc, Pittsburgh, Pa., recent purchaser of the former Avco, Inc., plant at Circleville, Ohio, has announced the signing of a long-term lease with the Plastics Corporation of America, a newly-organized concern planning manufacture of plastic wall tile.

Paint Colors Coordination System Now Being Used

The coordination of paint colors with the standard Oswald color system on a practical and commercial basis was demonstrated August 15 at the Plaza hotel, New York, at a press conference jointly sponsored by the Martin-Senour Company and the Container Corporation of America, both Chicago.

Walter P. Paepcke, chairman of the board of the Container Corporation of America, publishers of the "Color Harmony Manual," which presents a practical and usable color reference based on the Oswald system, discussed the use of the manual in wide sections of American industry. The manual is available at $125 per copy.

William M. Stuart, president of the Martin-Senour Company, together with his assistants, demonstrated how this paint manufacturer has expanded their "Nu-Hue Custom Colors" to include any and all of the hues and colors in the Oswald color system as set forth in the "Color Harmony Manual." All a customer has to do is choose a color chip from the manual, go to a Martin-Senour paint dealer and order in flat, semigloss or gloss, the Oswald color designation on the chip selected, and a paint of that color is mixed and supplied in a matter of minutes.

Phosphate Coatings Data Offered

American Chemical Paint Company, Ambler, Pa., has published a new twelve-page bulletin on phosphate coatings. The publication gives detailed information concerning the complete line of ACP phosphate coating chemicals for paint-bonding, rust proofing, protecting friction surfaces, and improving drawing and extrusion. Copies are available upon request to the company.

Gregg Joins Advance Solvents

George W. Gregg has joined Advance Solvents & Chemical Corporation, New York. Mr. Gregg, a specialist in the paint and varnish industry, will be located in the company's headquarters office, and will serve under C. A. Klebsattel, head of Advance Solvents technical service division.

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German Synthetic Resins Data in Translated Form

The latest German patent applications in the field of synthetic resins are offered in translated form by Research Information Service, New York in its special research bulletin No. 47, which supplements the previously issued bulletin No. 44, "Plastics."

The new bulletin features a wartime patent describing the preparation and novel applications of the compound dimethane sulfonylimide, which has attracted considerable interest since first mentioned in a Research Information Service report as a hardening agent for phenol-formaldehyde resins characterized by exceptional stabilizing action.

In addition, a number of postwar patent applications from Germany, all filed within the last three years, are listed. These include the invention of "A New and Superior Plastic Material From Organosilicic and Inorganic Compounds," by E. Leitz, Wetzlar (Report No. 5955, $8.75), a process for obtaining bitumen or resin emulsions of extremely fine dispersion and high stability, developed by Badische Anilin- & Soda-Fabrik, formerly I. G. Farbenindustrie (Report No. 5956, $6.50), several innovations in the production and processing of polyvinyl chloride and polystyrene as well as other processes.

Special bulletin No. 47, "Synthetic Resins," together with the more comprehensive bulletin No. 44 will be supplied free of charge upon request on company letterhead addressed to Research Information Service, 509 Fifth avenue, New York 17.

Morton-Withers Introduces New Line of Plasticizers

Morton-Withers Chemical Company, Greensboro, N. C., has introduced a new line of "Morflex" plasticizers, and has announced the appointment of sales agents to handle distribution and servicing of the products to the trade

The first of the new line of materials is "Morflex 100" (octyl phthalate), and is already being routed to the trade. The company, which expects to attain a monthly production rate of 1,000,000 pounds by the end of the year, also plans to introduce three new products shortly. They are iso-octyl sebacate, iso-octyl adipate and a special material designed to give both low temperature flex and high temperature stability.

Sale of "Morflex" plasticizers in New England, New York, upper New Jersey, the Middle West, Chicago and outlying areas will be handled by Burgess Pigment Company, Paterson, N. J. Van Horn Metz & Co., Philadelphia, has been named agent for the Pennsylvania, lower New Jersey, Delaware and Maryland territories. Southern sales will be handled direct by the producers.

NPVLA Adds Two Counsels

Mitchell M. Shipman and Daniel L. Boland have been appointed associate general counsels for the National Paint, Varnish and Lacquer Association.

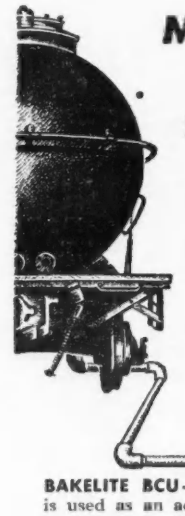
Mr. Shipman graduated from Harvard law school in 1929 and joined U. S. Rubber Company as assistant to the general counsel. In 1933 he was appointed assistant counsel of the chemical, paint and drug division of NRA and returned to private practice the following year. Mr. Boland has had service with the Public Works Administration and the Federal Works Agency. L. O. Carver has resigned as associate counsel for NPVLA.

Graphite Mine Mapped

The Geological Survey has placed in open file preliminary maps and cross sections of the Crystal graphite mine in the Ruby mining district, Beaverhead county, Montana. The maps consist of six plans and sections that show the surface and underground geology and the location of the mining claims and mine shafts. The surface geology is shown on a scale of 200 feet to the inch; the underground geology is plotted on a scale of 40 feet to the inch. The maps are not available for distribution but may be examined at the Geological Survey offices, Room 1033 (library), General Services building, Washington, D. C.; and S.157 Howard street, Spokane, Washington; and at the office of the director, Montana Bureau of Mines and Geology, Butte, Montana.

Plax Corp. Issues Folder

Plax Corporation, Hartford, Conn., has published a four-page folder illustrating and describing new applications of the unbreakable "Plaxpak" polyethylene bottle.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Oils, Fats and Waxes

Further price advances featured this market last week. Largest gains took place in edible vegetable oils, corn, cottonseed, peanut and soybean oils, which were lifted about 1 cent per pound. Scarcity of old crop oil and active demand were dominant factors. Price index advanced to 3.0 points.

Limited spot stocks of cottonseed oil brought out active demand from refiners for bleachable cottonseed oil for September delivery, which resulted in a new high for the season. Soybean and peanut oils also were in tight supply for August and early September delivery. Coconut oil was unchanged but firm, with copra $2.50 per ton higher.

Tallow and greases were firm with soapers taking moderate quantities at the recent decline. Other animal fats were quotably unchanged and steady. Oleo oil was unavailable.

Linseed oil reflected the sharp decline of meal and was lifted fractionally for spot and September delivery. Oiticica oil was firmer with the higher cost of replacements and raised 1 cent per pound. Tung oil remained in a strong position and raised fractionally. Increased demand for crude sardine oil boosted the price ¾ cent per pound. Round lot trading took place at the advance.

No. 3 castor oil was advanced fractionally, while other grades were without change, but firm due to strong castor bean replacement market. Rapeseed oil has been cleared from the market and nominal quotations were increased fractionally. Palm oil was higher for spot delivery, reflecting the increased cost for shipment from primary centers.

Drastic drop in oilmeals was a dominant factor in the higher cost of linseed and soybean oils last week. Linseed meal declined $9 per ton and soybean meal, $6 per ton.

Market Trends

Prices Advanced

Carnauba wax, No. 3, refined, 3c. per lb.
yellow, No. 1, 2c. per lb.
No. 2, 2c. per lb.
Castor oil, No. 3, ½c. per lb.
Copra, $2.50 per ton.
Corn oil, 1c. per lb.
Cottonseed oil, 1¼c. per lb.
Linseed oil, ½c. per lb.
Oiticica oil, 1c. per lb.
Palm oil, ½c. per lb.
Peanut oil, 1c. per lb.
Rapeseed oil, ½c. per lb.
Sardine oil, crude, ¾c. per lb.
Soybean oil, 1¼c. per lb.
Tung oil, ¼c. per lb.

Prices Reduced

Cottonseed meal, $1.50 per ton.
Linseed meal, $9 per ton.
Peanut meal, $11 per ton.
Soybean meal, $6 per ton.

Comparative Price Indexes

(100—August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	Aug. 19, 1949
148.8	145.8	130.5	111.3	130.9

(For Current Prices see Page 9)

Cottonseed Oil

Trend of bleachable cottonseed oil futures continued upwards last week. Drastic price advances took place in nearby deliveries, especially in September which reached a new high for the season, under active trade demand and short covering. Buying also was reported in September against sales of new crop oil. This s rength stiffened deferred positions, which also scored substantial gains. Volume of trading was heavy. Stronger crude cottonseed oil, and competing vegetable oils were contributing factors.

Old crop crude cottonseed oil was scarce and sharply higher, advancing to 18¼c. per pound, tankcars, f.o.b. mills, Texas, and 18½c. nominal, Southeast and Valley.

Sales and prices of refined bleachable prime summer yellow cottonseed oil in tankcars (60,000 pounds) on the N. Y. Produce Exchange for the week ended August 18 follow:—

	Sales	Cents per pound—High	Low	Close
September	410	21.25	19.65	20.90—20.92S
October	255	19.10	18.20	18.90@18.95
December	704	18.50	17.91	18.43—18.42S
March	538	18.45	17.87	18.37—18.36S
May	433	18.45	17.92	18.37—18.36S
July	19	18.20	17.95	18.17@18.20

Total sales, 2,412 tankcars, including switches.

Memphis.—Crude cottonseed oil nominal at 18½c. per pound, tankcars in the Valley. Practically no trading. Light crude soybean oil sales at 14¾c. per pound, tankcars, same basis. Cottonseed meal, 41 percent quoted at $71 per ton, Memphis, August, and $69 September. Some trading in bulk cottonseed cake at $58 per ton, Mississippi points, October-December. Hulls, $8, per ton, bulk, Mississippi points and $10, Memphis, September-October. No seed prices established yet this section. Crop about two weeks late. Memphis mills expect to start operating by September 15.

Linseed Oil

As a result of increased production cost due to sharp decline in meal and firm flaxseed market, oil was lifted fractionally for spot and September delivery. Raw oil was advanced to 17.80c. per pound, tankcars, zone 3 for August and to 17.10c. for first half September and to 16.80c., second half September delivery. October was unchanged at 15.80c. Stocks of oil for spot delivery were scarce. Consuming demand was more active and the call for delivery against contracts continued in heavy volume.

Minneapolis.—Nearby linseed oil continued tight as supplies were scarce the past week. Local crushers were forced to purchase around 500,000 bushels of CCC flaxseed outright, while some crushers bought a total of 20 to 25 tankcars of CCC oil at 16.75c. per pound, raw basis. New bookings, however, continued small as most consumers continued to mark time until new-crop flax starts moving into the market in heavy volume. Oil for August arrival was advanced 3c. per pound to 17c. a pound, raw basis, in tankcars, f.o.b., Minneapolis; first half September delivery was quoted at 16.5c.; for second half September, 16.2c., and for October forward, 15.2c. a pound, zone 1. Shipping instructions continued heavy.

Shipments of linseed oil from Minneapolis last week, in pounds, were as follows:—

	1949-50	1948-49
This week	12,300,000	3,100,000
Since Sept. 1	424,220,000	369,578,000

Flaxseed — Old crop seed scarce and firmer. Demand was active, buyers raising bids.

Minneapolis.—Receipts of flaxseed continued thin last week. About 129 cars were received, with over one-third being applied on CCC account for terminal storage. Processor demand was excellent. Bids were advanced considerably over a week ago. Cars in transit were bid at $3.75. New-crop seed for August arrival also was bid at $3.75, while seed for September arrival was bid for at $3.65. There was no volume in new-crop seed. There were a few cars in transit despite the acute shortage of boxcars. As for the new crop of flaxseed in the upper midwest, there was not too much harvesting. Rains in southern Minnesota and in Iowa curtailed harvesting operations. Rust was reported to be attacking flax in parts of North Dakota.

Receipts and shipments of flaxseed last week, in bushels, were as follows:—

Bushels—	Receipts 1949-50	Receipts 1948-49	Shipments 1949-50	Shipments 1948-49
This week	234,600	1,932,700	30,600	42,500
Since Sept. 1	22,301,500	36,850,800	4,873,100	8,454,000

Other Vegetable Oils

Castor Oil—Prices for No. 3 were lifted ½c. per pound, while other grades were unchanged. No. 3 was advanced to 19¼c. per pound, tankcars and 20¼c. to 20¾c. per pound, drums, as to quantity. Dehydrated oil was firm and in steady request.

Coconut—Trading was quiet. Crude oil was unchanged and steady at 16½c. per pound, tankcars, f.o.b. Pacific coast, August delivery; 16½c., September and 15¾c., October.

Copra—Market was firm. Sales took place at $207.50 per short ton, c.i.f. Pacific coast, prompt shipment with $210 asked.

Corn—Crude oil was firmer and sold at 18c. per pound, tankcars, f.o.b. mills, and well held. Refined oil was scarce for spot delivery and was raised to 23c. per pound, tankcars, New York delivery.

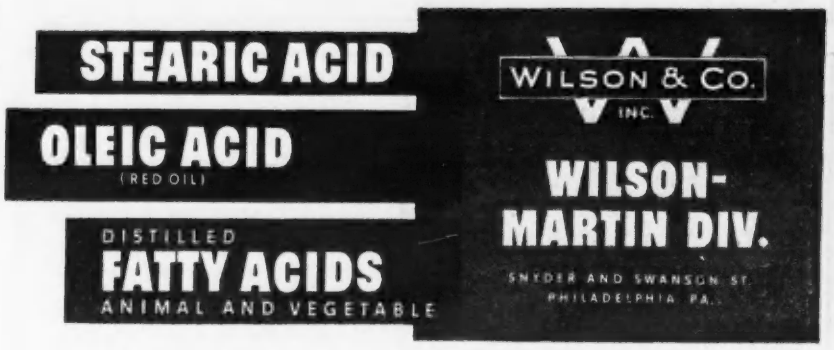
Olive—Scarcity of edible oil and active demand kept this market strong. Edible ranged from $2.90 to $3 per gallon, drums, duty paid, on spot. Foots were also in light supply and firmly held at 14½c. to 15c. per pound, drums, prompt delivery, as to quantity.

Palm—Stocks on the spot were raised to 14.20c. per pound, drum lots. Supplies were reported limited. October shipment from Africa was advanced to 12.85c. per pound, tankcars, New York basis.

Peanut — Higher competing oils lifted quotations for crude oil to 21c. per pound, tankcars, f.o.b. mills, following sales at 20½c. Offerings for prompt shipment were scarce. New crop oil was quoted at 18½c. for October shipment. The government sold peanuts to produce about 4 tankcars of oil last week. Refined oil was entirely nominal at 25c. per pound, tankcars, New York delivery.

Soybean — Market was stronger with competing oils. Prices were sharply higher. Crude oil was sold at 15c. per pound, tankcars, f.o.b. mills, spot shipment, and 14¾c. per pound, tankcars, f.o.b. mills, August-September delivery and October-December at 12⅞c. January-March was offered at 12½c. Refined edible

For Late Market Developments, See Page 4



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COCONUT FATTY ACIDS — Where uniform Lauric Acid content is desired, A. Gross' Coconut Fatty Acids are your assurance of quality. Manufactured to specifications in two grades:

Regular Coconut Fatty Acids - with no fractions removed.
Special Coconut Fatty Acids - with most of the capric and caprylic fractions removed.

Of interest to manufacturers of cosmetics, shampoos, condensates, alkyd resins.

SPECIFICATIONS

	SPECIAL	REGULAR
Titre °C	26°-28°	22°-25°
Color 5¼" Lovibond Red	1-3	1-3
Color 5¼" Lovibond Yellow	8-12	8-12
Color—Gardner 1933	2-4	2-4
Unsaponifiable %	0.25-0.50	0.25-0.50
Saponification Value	252-259	261-270
Acid Value	251-258	260-269
Iodine Value	8-14	4-12

ADVANTAGES

1. Uniform Lauric Acid content.
2. Made in two grades—unfractionated and fractionated.
3. Ideal for cosmetics, shampoos, condensates, alkyd resins.
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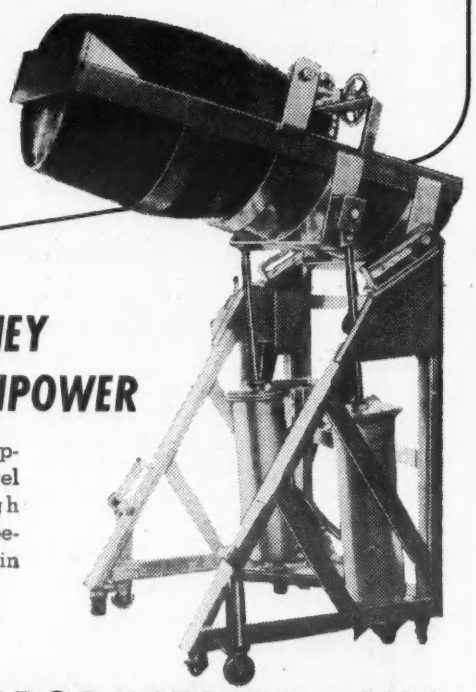
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ALL LEE KETTLES ARE MADE TO A.S.M.E. CODE

oil was scarce and nominal at 19c. per pound, tankcars, New York delivery. Alkali refined and clarified were lifted ½c. to 16.55c. and 15.65c. per pound, tankcars, respectively, New York basis.

Sales and prices of prime crude soybean oil on the N. Y. Produce Exchange in tankcars (60,000 pounds) for the week ended August 18 follow:—

	Sales	Cents per pound High	Low	Close
August	8	13.60	13.50	Expired
September	42	14.75	13.85	14.75@ 15.00
October	44	13.24	12.10	13.15@ 13.24
November	4	12.54	12.25	12.70@ 12.85
December	31	12.62	12.15	12.60@ 12.72
January	2	12.40	12.37	12.50@ 12.70
March	87	12.55	12.10	12.55S
May	16	12.50	12.10	12.45@ 12.53
July	..	....	....	12.30@ 12.55
August	..	....	....	12.30N

Total sales, 234 tankcars and switches.

Tung—This market continued firm. Offerings were limited and closely held. Moderate sales were reported at 25¼c. per pound, tankcars, New York for nearby delivery, with sellers holding at 25½c. October forward delivery was quoted at 25¼c. Drums ranged from 26½c. to 27c. per pound, depending upon quantity.

Los Angeles Vegetable Oils Market

Los Angeles.—The market has been active on edible oils with prices higher. Castor, No. 1, dms., l.c.l., 22.25c. per pound; 3, dms, l.c.l., 21.75c. per pound; bodied, dms., l.c.l., 26.25c. per pound; dehydrated, dms., l.c.l., 25.25c. per pound.

Following prices are tankcar lots, f.o.b. Los Angeles unless otherwise specified:—Coconut, crude, 16.50c. per pound. Corn, crude, 18c. per pound, Chicago basis; refined, 23.75c. per pound; Cottonseed, crude, 18c. per pound, Texas; 18½c. per pound Valley; refined, 22.75c. per pound. Linseed, 17.60c. per pound. Peanut, crude, f.o.b. mill, 21c. per pound; refined, 24.5c. per pound. Soybean, crude, 15c. per pound, Decatur basis; refined, 19c. per pound. Tung, 25.50c. per pound, f.o.b. New York.

Fats and Greases

Greases—This market remained steady at the recent decline. Trading was moderate, chiefly for domestic delivery. Export inquiry was fair and business spotty.

Lard—Prices were irregular and slightly higher. Trading for domestic and export delivery was reported light and spotty. Pure refined lard was quoted at 16½c. to 16¾c. per pound, containers f.a.s. Cash lard was held at 14.75c. per pound, tierces, Chicago.

Tallow—Trading was fairly active for domestic use at the recent decline. Prices were unchanged and firm. Export inquiry was moderate, with light sales reported in fancy on the basis of 10¼c. to 10½c. per pound, drums, f.a.s.

Animal Oils

Steady demand was noted for all grades. Prices were without change and were well held, despite recent fractional decline in tallow and grease. Grease, neatsfoot and tallow oils were well held at prevailing quotations. Oleo oil was practically unobtainable and quotations were merely nominal.

Fish Oils

Fish—Crude sardine oil was firmer and sellers advanced quotations to 9½c. per pound, tankcars, f.o.b. Pacific coast, following sales at 9c. Trading in menhaden oil was slow with producers holding at 10c. per pound, tankcars, f.o.b. Baltimore, against bids of 9c. Production on the Atlantic seaboard was reported light. Refined grades were unchanged and steady.

Los Angeles.—Considerably more activity was noted in sardine oil. Some 75 cars of oil were sold at 9c. per pound, f.o.b. San Pedro and 15 to 20 cars at Monterey. Buying interest was active at 9c. at both points with sellers holding at 9½c. Pilchard landings in the San Francisco and Monterey Bay areas for the season through August 15, total approximately 10,000 tons compared to no tonnage as of that date last year due to the late start of fishing operations. Four cars of tuna oil were sold last week at 7c. per pound, f.o.b. San Diego, and one car of mackerel oil at 8c. per pound, f.o.b. San Pedro.

Fatty Acids

Trading was reported active for all grades at unchanged prices. Prices were strong, especially for the vegetable oil grades owing to the recent advances of basic oils. Red oil and stearic were steady and unchanged.

Cake and Meal

Cottonseed Cake and Meal—Market continued weak, with other protein meals. Demand was poor, while on the other hand, offerings were light of old crop or new crop. Forty-one percent sacked meal was sold at $76.50 per ton Mississippi points, but loose slab cake was available at $62 to $62.50 basis Valley points, September shipment. Forty-one percent sacked meal in limited amount at $68 per ton f.o.b. Georgia points, late August-September shipment. New crop meal

—*Continued on page 74*

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Colton #4½ Single Punch Preform Tablet Machine, 1½" dia.
Mikro #1 SH Pulverizers 3 HP. Other sizes.
6—Anderson No. 1 Expellers.
1—#00 Raymond Mill 30 HP, complete.
4—French Oil 400-Ton Linseed Presses.
2—Dopp 1,000 gal. Jack. Agit. Kettles, Dopploy Acid Resistant & Iron.
1—Lehman 4 Roll W C, 12"x36" Steel Mill.
1—Hardinge Conical Ball Mill, 4½'x24"
4—Allbright-Nell 4'x9' Atmos. Drum Dryers & Flakers.
1—Devine No. 3 Vac. 4 Shelf Dryer.
1—Badger 42" dia. Monel column.
1—Buffalo Vac. Drum Dryer, 24"x20".
1—Century 2 HP, 4 speed Vert. Mixer.
3—Baker Perkins heavy duty Jack. Mixers. 200, 100, 50, & 9 gals.
Stokes #2E Paste Filler, up to 5 gals. Impreg. Unit Lab. or Pilot Plant & up.
2—Abbe Pebble Mills, 6'x8' & 60"x48".
8—Abbe Jar Mills, Lab. to 6 gal. sizes.
2—Master drum type Blenders, 1,000#.
15—Sperry & Shriver, 12", 18", 24", 30", 32", 42" Iron & Wood Filter Presses.
2—12" Bronze & Rubber Filter Presses.
Extra 36" Iron Sperry Plates & Frames.
4—Rotex Sifters, 20"x48" to 40"x84"
1—Allis-Chalmers 1 HP Gyratory Sifter.
3—Tyler 3S Jr. Hummer Screens, 20"x60"
2—Robinson No. 10 Saw Tooth Crushers.
6—Tolhurst 40" Suspended Type Centrifugals, Bottom Discharge.
5—Lehman & Kent 3-Roll Steel Mills, 3"x9", 9"x32", 12"x30", 16"x40".
4—Stokes & Colton Rotary & Single Punch Tablet Machines, ½" to 3".
1—Robinson 22" Ball Bearing Attrition Mill, double pulleys.
11—Sharples No. 5A Stainless Oil Centrifuges, 2 HP. Also No. 6.
2—Colloid Mills, 5 & 10 HP, Stainless.
2—DeLaval Multi. Clarifiers, #300 & 301.
Devine 500, 300 & 1,000 gal. closed steel Kettles & Stills, 250 gal. lead lined kettle.
10—Dry Powder Mixers, 50 to 2,500 lbs.
6—Pony Mixers, 2½ to 40 gals.
3—Stokes & Day Powder Fillers, Sifters.
10—Stokes Vertical High Vac. Pumps.
5—Duriron 3"x2" Centrif Pumps.
1—Sturtevant 36" Rock Emery Mill.
20—Stainless, Alum., Copper & Glass-Lined Kettles & Tanks, new & used.
1—Revolvator hand operated 1,000#.
15—Port Elec. Mixers, ¼-2 HP.
Rotary Cutters Lab. to 40 HP.
8—Hammer Mills & Pulver., 3 to 50 HP.
6—Centrifugals, 26", 30" & 40".
4—#00 & #0000 Raymond Mills.
6—Lead & Paste Mixers to 300 gals.
2—Worth 12"x12"x12" Vac. Pumps.
Port. Elec. Mixers. Filling Machines.
Soap Machinery for Toilet, Laundry, etc.

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1—#00 Banbury Mixer, with 10-HP motor.
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1—AT&M 48" Suspended Type Imperforate Stainless Steel Basket.
1—Tolhurst 26" Suspended Type Centrifugal, bottom discharge, steel perforated basket.
6—Sweetland Filters, Nos. 12, 10, 7, 2.
3—Sweetland Filters, #2, all stainless.
1—Oliver 3'x2' Rotary Vacuum Filter, stainless steel valve.
1—Swenson 4'x5' Steel Rotary Vacuum Filter.
6—Patterson, Abbe Pebble Mills, 6'x8', 6'x5', 3'x3½', 2'x3'.
3—Mikro Pulverizers, 4TH, 2TH, 1SH.
5—Rotex Sifters, 20"x48", 40"x56", 40"x 120".
2—Tyler Hummer Screens, 4'x5', with controls.
1—Pfaudler 100-gallon, glass-lined, jacketed, agitated Kettle.
5—Baker Perkins Double Arm Steam Jacketed Mixers, 100, 20, 9 and 2 gal.
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10—New portable tanks on wheels, size 36 x 36, for change can mixers.
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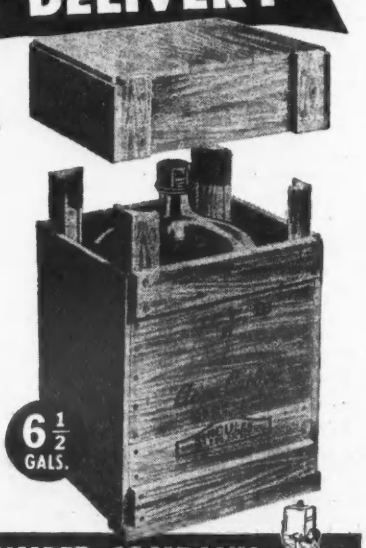

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Pumps, centrifugal, 2 stage, high head, new, Ingersoll Rand Cameron Model 2CMRV-20, two-inch discharge, cradle mounted, direct connected 20 HP electric motor. $750. Will sell with or without motor. OPD 416.

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Do not wait until conditions further limit prospects of disposing of top-heavy inventories; will purchase surplus unshipped commodities, all kinds. Particularly interested in pigments, chemicals, dyes, colors, waxes, drugs, pharmaceuticals, etc. OPD 403.

Titanium dioxide pigments; also aniline, glycerine, soda ash, zinc pigments, phenol, benzene and surplus chemicals of all kinds. OPD 409.

Wanted: Crude Coal tar and Water Gas Tar in quantities. We have facilities for immediate removal. R. R. Tank Cars, Tank Trucks, Storage Tanks. P. S. Kramer, Tar Refiner, 7 Smith Street, Paterson 1, N. J

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Buy or lease moderate size plant; preferably with equipment suitable for manufacture of organic chemicals and pharmaceutical intermediates. Location metropolitan area, Central New Jersey preferred. Write OPD 410.

Wanted—Complete plants; also machinery. Large engineering firm wishes to acquire several complete plants through purchase of (1) capital stock; (2) assets; (3) machinery and equipment, whole, or in part. Personnel retained where possible. Strictest confidence. Box 694, 1474 Broadway, New York 18, N. Y.

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Salesman with some chemical training or experience to sell industrial chemicals in New York metropolitan area. Excellent opportunity for advancement; small but well known firm. Reply OPD 417.

Wanted by a well known Eastern manufacturer, a chemist for research and development work in varnishes and related materials. A Ph.D., or its equivalent in experience in the above fields is desirable. OPD 418.

Botanical Drugs

—Continued from page 61

new crop quotations would not weaken much.

Mace—Some Banda No. 1 turned up on spot at $1.60 to $1.65 per pound. Siauw No. 1 was up to $1.50 to $1.55. West Indian material was stronger.

Nutmegs — East India material in broken and limed form was higher at 59c. to 60c. per pound; whole, shrivels, 58c. to 59c; 110's in cases, 60c. to 61c. West Indian on spot was higher at 41c. to 42c. and for shipment it was 40c. to 41c.

Pepper—Most conservative traders said last week that prices would hold basically strong between now and the end of the year. Which was not to say that the market would not fluctuate. It was expected to shift almost daily with the ebb and flow of supply and demand. Much of the merchandise now engaged to arrive here in the last quarter of the year is under some sort of engagement; it is owned either by grinders or by dealers. Black pepper for September arrival was offered around $2.05 per pound, which compared with spot goods at $2.75, August shipment at $1.80, and August-September shipment, $1.70.

Prices on Friday afternoon were:—Black pepper, spot, $2.80 to $2.85 per pound; August shipment, $1.75 to $1.80; August - September shipment, $1.70 to $1.75. September 5 arrival, $2.10.

Essential Oils

—Continued from page 64

nings of a serious shortage. Anise oil, which is a natural source, has become extremely tight and the small quantities trickling into the spot market have been advanced considerably in price. The materials necessary for the preparation of the synthetic article have been channeled in other directions essential to defense preparations. The season of the greatest use of this chemical was in the offing and it may be expected that there will be difficulty in filling consumer needs.

Isoeugenol—The difficulty of obtaining clove bud oil at anything but very high price has resulted in a rather tight situation in the market of this derivative. Quotations among producers ranged between $3.50 and $3.55 per pound.

Rhodinol—This aromatic derivative has felt the effect of the difficult position of geranium oil. It was reported in short supply and was priced between $42 and $45 per pound.

Porter Gets Harriet Ayer Post

Keith Porter, general manager of Harriet Hubbard Ayer of Canada, Ltd., since 1948, has been appointed sales manager of Harriet Ayer, Inc., a subsidiary of Lever Brothers Company, New York. Mr. Porter will make his headquarters in New York.

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Current Prices

—Continued from page 33

Yellow, lithopone, all shades, bbls., frt. alld. E. of Rockies.	lb.	1.02	—
Cadmium yellows, Los Angeles and San Francisco, ex whse t.c. per lb. higher.			
Chrome, CP, bbls., dlvd. N. Tenn. and N. C. E. of Miss., including Davenport, Minneapolis, Rock apolis, Rock Island	lb.	.25	—
Dlvd. Ala., Fla., Ga., La., (Shreveport) 1¼c. higher; Miss., N. C., S. C., Tenn., Dallas, Tex., 1¼c. higher; Ft. Worth, Tex. 1½c. higher; El Paso, Tex., 2c. higher; Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd, Pac. Coast, for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.			
Hansa, bbls., same basis as chrome	lb.	1.60	1.70
Primrose, bbls., same basis	lb.	1.90	2.10
Iron oxide, natural, bgs., c.l., works	lb.	.0141-	.0250
t.c.l., works	lb.	.0166-	.0275
French type, bgs., c.l.	lb.	.04½-	—
t.c.l.	lb.	.04¾-	—
Peruvian type bgs., c.l.	lb.	.0185-	.0210
synth., bgs., c.l., works	lb.	.09½-	—
l.c.l., works	lb.	.09¾-	—
Mercury oxide, bbls., 1,000 lbs	lb.	1.93	—
smaller lots	lb.	1.95	—
Ocher American golden, bgs., works	lb.	.01¼	.02¾
Zinc, bbls. same basis as chrome	lb.	.21	.26
Yellow dock root, bls	lb.	.16	.25
Yellow xanthorrhiza (see Xanthorrhiza)			
Yerba santa leaves, bls.	lb.	.28	.30
Yohimbine hydrochloride vte.	oz.	3.25	4.00

Z

Zein, bgs., 36,000 lbs., works	lb.	.30	—
1,000 lbs. to 36,000 lbs., works	lb.	.32	—
smaller lots, works	lb.	.35	—
Zinc acetate, tech., bbls., dms.	lb.	.26¼-	—
NF, dms.	lb.	.41	—
Borate, bgs., c.l., dlvd. E.	lb.	.17½-	—
l.c.l., dlvd. E	lb.	.18½-	—
Carbonate, purified, powd., dms.	lb.	.26	—
tech., rubber makers', bgs., works	lb.	.10¾-	.11¼
precipitated, powd., dms.	lb.	.26	—
Chloride, tech., fused, dms., c.l., works 100 lbs.		7.70	—
l.c.l., works 100 lbs.		8.10	—
gran., bbls., c.l., works 100 lbs.		8.45	—
l.c.l., works 100 lbs.		8.85	—
solution, 50% dms., c.l., works. 100 lbs.		4.25	—
l.c.l., works 100 lbs.		4.85	—
tanks, works 100 lbs.		3.60	—
NF, gran., dms	lb.	.42	—
Chromate (see Yellow, zinc).			
Cyanide, kgs., works	lb.	.422	.442
Dust, bbls., c.l., works	lb.	.1225-	—
dlvd.	lb.	.1250-	—
t.c.l., works	lb.	.1260-	.1325
Fluoride, bbls., works	lb.	.40	—
Hydrosulphite, dms., c.l., frt. alld.	lb.	.18¼-	—
t.c.l.	lb.	.18¾-	.20¾
Iodide, NF, jars	lb.	4.85	—
Laurate, bbls	lb.	.45	.46
Linoleate solid 9½% bbls	lb.	.42½-	—
Metal, slabs, E. St. Louis	lb.	.15	—
Naphthenate, liquid, 8% Zn, frt. alld	lb.	.20¼-	—
10% Zn, dms., frt. alld	lb.	.26	—
Oleate, fused, bbls	lb.	.36	—
Oxide, pigment, dom., acicular, bgs., c.l., dlvd.	lb.	.14¾-	—
l.c.l., dlvd	lb.	.15¾-	—
American process, com'l, lead-free, bgs., c.l., dlvd.	lb.	.14¾-	—
l.c.l., dlvd	lb.	.15¾-	—
leaded, 5%, bgs., c.l., dlvd.	lb.	.14¾-	—
l.c.l., dlvd	lb.	.15¾-	—
35%, bgs., c.l., dlvd.	lb.	.14½-	—
l.c.l., dlvd	lb.	.15½-	—
50%, bgs., c.l., dlvd.	lb.	.14⅜-	—
l.c.l., dlvd	lb.	.15⅜-	—
French process, com'l, lead-free, bgs., c.l., dlvd.	lb.	.17	—
l.c.l., dlvd	lb.	.18	—
green seal, bgs., c.l., dlvd.	lb.	.16½-	—
l.c.l., dlvd	lb.	.17½-	—
red seal, bgs., c.l., dlvd.	lb.	.16	—
l.c.l., dlvd	lb.	.17	—
white seal, bgs., c.l., dlvd.	lb.	.17	—
l.c.l., dlvd	lb.	.18	—
USP, ctns., c.l., dlvd	lb.	.17¼-	—
l.c.l., dlvd	lb.	.18¼-	—

Zinc oxide Pac. coast prices 1c. higher; bbl. prices ¼c. higher than bgs.

Phenolsulphate, dms.	lb.	.36	—
Resinate, fused, 1% Zn, dms., frt. alld	lb.	.20	—
precip., dms. frt alld	lb.	.22½-	—
Silicofluoride, bbls., works	lb.	.10	.10½
Stearate, tech., USP, ctns., c.l.	lb.	.34	—
ton lots	lb.	.35	—
less ton lots	lb.	.36	—
Sulphate, cryst., 22% Zn, bgs., c.l., works, frt. alld 100 lbs.		6.15	—
l.c.l., same basis 100 lbs.		6.55	—
flake, 25½% Zn, bgs., c.l., works, dlvd 100 lbs.		4.80	5.35
l.c.l., works 100 lbs.		5.75	8.25
powdered, 36% Zn., bgs., c.l., dlvd., same basis 100 lbs.		8.25	—
l.c.l., same basis 100 lbs.		9.00	—
Zinc sulphate in bbls. 40c. higher			
USP, gran., dms.	lb.	.23	.23½
Sulphide, pure, bgs., c.l., dlvd.	lb.	.20	—
l.c.l., dlvd	lb.	.21	—
Barium pigment, bgs., c.l., dlvd	lb.	No prices.	
l.c.l., dlvd	lb.	No prices.	
Calcium, pigment, bgs., c.l., dlvd	lb.	No prices.	
l.c.l., dlvd	lb.	No prices.	
Luminescent pigment, dlvd	lb.	No prices.	
Magnesium pigment, bgs., c.l., dlvd	lb.	No prices.	
l.c.l., dlvd	lb.	No prices.	

Zinc sulphide and pigment, Pac. coast prices 1c. higher; bbl. prices ¼c. higher than bgs.

Thionosulphonate, NF, gran., bbls., dms.	lb.	.33	.34
powd., bbls	lb.	.36	.37
Undecylenate, dms.	lb.	1.90	2.00
Yellow (see Yellow, zinc)			
Zinc-ammonium chloride, bgs., c.l., works 100 lbs.		7.35	—
l.c.l., works 100 lbs.		7.75	10.25
Zinc-cadmium sulphide, fluorescent, cns., frt. alld	lb.	2.00	2.80
Zinc-calcium resinate, dms., c.l., works	lb.	.1180-	.1360
t.c.l., same basis	lb.	.1220-	.14
Zinc-formaldehyde sulphoxalate, basic, dms., works	lb.	.22½-	—
normal, dms., works	lb.	.44	—
Zircon (see Zirconium silicates.			
Zirconium acetate 13% sol. ZrO_2, bbls., works	lb.	.21¼-	—
Carbonate, basic, cake, bbls., works	lb.	.30½-	—
Hydride, cns., works	lb.	7.00	8.00
Nitrate, dms., works	lb.	1.75	—
Oxide, 98½-99% white, grd., bbls. or bags, works	lb.	1.50	—
lump, electric-fused, bgs., c.l., works	lb.	.44	—
5 tons, works	lb.	.44½-	—
1 ton or less, works	lb.	.45	.48
milled, electric-fused bgs., c.l., works	lb.	.59	—
5 tons works	lb.	.59½-	—
1 ton or less, works	lb.	.60	.63
Oxychloride, cryst., ctns., 5 tons, works	lb.	.29½-	—
Silicate, granular, bgs., c.l., works.	lb.	.03¼-	.03¾
10 tons, works	lb.	.03½-	.04
5 tons, works	lb.	.04	—
1 ton or less, works	bl.	.04¼-	.04¾
milled, bgs. c.l., works	lb.	.04¾-	—
5 tons, works	lb.	.05¼-	—
1 ton or less works	lb.	.05¾-	.06¾
refined, bgs., c.l., works	lb.	.11	—
works	lb.	.11	—
5 tons, works	lb.	.11½-	—
1 ton or less, works	lb.	.12	.16
Sulphate, cryst., ctns., c.l., works.	lb.	.37½-	—
5 tons, works	lb.	.38	—
1 ton or less, works	lb.	.38½-	.39

ECA Closes Loophole

—Continued from page 3

currencies or through the European payments union. This will tend to step up intra-European trade and also enable the Marshall plan nation to conserve dollars for purchases which must be made in dollar areas.

To enforce the new amendment, ECA will require suppliers, when requesting payment for goods sold under the Marshall plan, to file a certificate stating:—"The undersigned certifies that the commodity invoiced was not originally shipped from a country wholly or partly in Europe, in the form, or substantially in the form, supplied by the undersigned."

ECA officials said that the new ruling does not bar shipment of United States goods which include materials originally obtained in Europe. As a general rule, however, the value of the European goods will have to be increased at least 50 percent in United States processes to be classified as United States commodities. Packaging will not be considered as substantially changing the form of the goods.

Oils, Fats and Waxes

—Continued from page 70

should start moving in volume in about two weeks.

Linseed Meal—Prices dropped sharply. Demand quiet. Offers liberal.

Minneapolis.—Linseed meal prices continued to sag with other protein meals the past week. Demand dropped off sharply as most country dealers and distributors stocked up on enough supplies in recent weeks to take care of current demand. Both extracted and expeller meals were quoted at $59 per ton, bulk, in carlots, f.o.b., Minneapolis, about $8.50 a ton lower than a week ago. Reselling pressure was very heavy on the market.

Shipments of linseed meal from Minneapolis last week, in pounds, were as follows:—

	1949-50	1948-49
This week	13,260,000	15,960,000
Since Sept. 1	778,441,500	650,120,000

Soybean Meal—Prices were lower with spotty demand for immediate shipment cars only. Forty-one percent bulk meal was quoted at $60 per ton basis Decatur, August shipment and forty-four percent was generally about $1 higher. Forty-one or forty-four percent bulk were quoted at $54 per ton October-December shipment, f.o.b. Decatur. Very little meal was available in the Southeast.

Waxes

Carnauba—Scarcity of yellow grades and good demand increased quotations of No. 1 at least 2c. to $1.18 to $1.20 per pound, as to quantity and seller, and No. 2, to $1.14 to $1.16. No. 3, crude was maintained at 90c. to 92c. per pound on spot as to quantity with refined firm at 96c. to 98c.

Petroleum Derivatives

—Continued from page 41

vents and diluents with price listings unchanged as in past weeks. Cleaning solvent quoted from 15½c. to 19c. per gallon, tank-wagon, ex-tax, f.o.b. Los Angeles basin area. Stoddard solvent listed from 15.7c. to 19.5c. per gallon, same basis. Lacquer diluent quoted from 16½c. to 20½c. per gallon, same basis.

Inquiry continues on the light side for both propane and butane with supplies reported plentiful. Prices for both items are unchanged at 5.3c. per gallon, tankcars, f.o.b. Los Angeles.

The market for high melting point waxes continues normal for this season with supplies reportedly on the heavy side. Prices quoted as follows: 140/147 ASTM, carload loose slabs, f.o.b. shippers refinery, San Francisco, 6.95c. per pound; 146/148 ASTM, same basis, 7.15c. per pound, and 157/162 ASTM, same basis, 7.6c. per pound. Tankcar prices quoted at 6.05c., 6.25c. and 6.9c. per pound respectively.

Advertising Index

Aceto Chemical Co., Inc. 74
Albemarle Paper Mfg. Co. 66
Allied Asphalt & Mineral Corp. 67
Aluminum Co. of America 13
American Agricultural Chemical Co. 1
American British Chem. Supplies, Inc. 66
American Firstoline Corp. 67
American Potash & Chemical Corp. 51
Anderson-Prichard Oil Corp. 75
Antara Products 16

Bakelite Division, Union Carbide & Carbon Corp. 68
Baker, H. J., & Bro. 43
Baker, J. T., Chemical Co. 1, 48
Barcan, Irving, Co. 73
Barclay Chemical Co. 37, 73
Barnett Laboratories 50
Barrett Division 42, 44
Beacon Company 40
Benzol Products Co. 56
Bethlehem Steel Co. 45
Better Finishes & Coatings, Inc. 38
Birch Products Corp. 36
Bowman, Charles, & Co. 50
Brill Equipment Co. 73
Brode Corp., The 70

Calco Chemical Division 23
Calif. Fruit Growers Exchange, Products Dept. 24
Capital City Products Co. 66
Carbide & Carbon Chemicals Div., Union Carbide & Carbon Corp. 2, 52, 56
Celanese Corp. of America, Chemical Div. 28, 76
Chematar, Inc. 39
Chemical & Process Machinery Co. 72
Chemical Service Corp. 38, 56
Chemical Solvents, C. P., Inc. 76
Chemo-Puro Mfg. Corp. 50
China Trading & Industrial Development Corp. 52
Church & Dwight Co., Inc. 37
Coleman & Bell Co. 39
Colgate-Palmolive-Peet Co. 50
Commercial Solvents Corp. 41
Concord Chemical Co. 10
Consolidated Chemical Industries, Inc. 38
Consolidated Products Co., Inc. 71
Corn Products Sales Co. 53
Coupe, Robert A. 39
Crosby Chemicals, Inc. 65

Davies Nitrate Co., Inc. 40
De Rewal International Rare Metals Co. 38
Dickerson Company 42
Dickinson, J. Q., & Co. 52
Diehl, Wm., & Co. 70
Distillation Products Industries, Inc. 51
Dodge & Olcott Co. 64
Dow Chemical Co. 12
Dow Corning Corp. 68
Dreyer, P. R., Inc. 62
Duff Chemical Co., Inc. 37

Eagle Industries, Inc. 72
Eastern Color & Chemical Co. 74
Eelsingh & Lugtigheid 58
Eimer & Amend 57
Empire Chemical Co., Inc. 56
Emsco Equipment Co 73
Equipment Clearing House, Inc. 72

Fairmount Chemical Co., Inc. 62
Farber Products Co., Inc. 31
Felton Chemical Co., Inc. 25
Ferro Chemical Corp. 68
Fezandie & Sperrie 47
Fine Organics, Inc. 52
First Machinery Corp. 72
Florasynth Laboratories, Inc. 63
Fritzsche Brothers, Inc. 63

Gane & Ingram, Inc. 58
Gartenberg, H., & Co., Inc. 47
Gelb, R., & Sons, Inc. 73
General Biochemicals, Inc. 70
Glidden Company 50
Glycerine Producers Association 21
Gray, William S., & Co. 1
Greeff, R. W., & Co. 49
Gross, A., & Co. 69
Gruman, J. B., Co. 55

Hamilton Laboratories, Inc. 50
Hardesty, W. C., Co. 69
Harshaw Chemical Co. 33
Heat and Power Co., Inc. 72
Hercules Powder Co 62
Heyden Chemical Corp. 49
Hoffmann-La Roche, Inc. 53
Hooker Electrochemical Co. 18
Hopkins, J. L., & Co. 61
Horn, Jefferys, & Co. 67
Hutchinson, D. W., & Co., Inc. 63
Hyman, Julius, & Co. 20

Indoil Chemical Co. 36
Industrial Chemical Sales, Div. West Virginia Pulp & Paper Co. 67
Industrial Raw Materials Corp. 58
Inland Alkaloid Company 53
Inland Steel Container Co. 38
Innis, Speiden & Co. 6
Intercontinental Industries, Inc. 56
Interlake Iron Corporation, Coal Chemicals Div. 46
International Minerals & Chemical Corp. 43
Interstate Chemical Corp. 53
Iron & Steel Products Co. 73

Jasper Machinery Co. 73

Kelco Company 61
Kolker Chemical Works, Inc. 43
Koppers Company, Inc. 45

Lawler Company 73
Leberco Laboratories 58
Lee Metal Products 70
Lemke, B. L., & Co., Inc. 52
Lever Brothers Company 50
Loeb, H., & Son 73
Loeb Equipment Supply Co. 72
Lucidol Corp. 52

Machinery & Equipment Corp. 72
Magnus, Mabee & Reynard, Inc. 63
Mallinckrodt Chemical Works 19, 68
Manufacturers Products Co. 74
Marine Magnesium Products Corp. 58
McKesson & Robbins, Inc. 55
Miel, George A., Co., Inc. 70
Millmaster Chemical Corp. 40
Monsanto Chemical Co. 15
Mutchler Chemical Co., Inc. 55
Mutual Chemical Co. of America 47

National Box & Lumber Co. 73
National Casein Sales 66
National Rosin Oil Products, Inc. 68
Natural Products Refining Co. 30
Nelson-Wells & Co. 56
Neuberg, William D., Co. 46
Neville Company 65
Newman Tallow & Soap Machinery Co. 73
Niagara Alkali Company 27

Oronite Chemical Co. 17

Pacific Coast Borax Co. 1
Pan American Chemicals Division, Pan American Refining Corp. 66
Parsons, M. W. 66
Penick, S. B., & Co. 60
Pennsylvania Refining Company 41
Perry Equipment Corp. 72
Pfizer, Chas., & Co., Inc. 35
Pittsburgh Coke & Chemical Co. 76
Pittsburgh Plate Glass Co., Columbia Chemical Div. 37
Polak's Frutal Works 62
Potash Co. of America 42
Prentiss, R. J., & Co., Inc. 57
Prior Chemical Corp. 1
Procter & Gamble 50

Read, Chas L., & Co., Inc. 37
Reade Manufacturing Co., Inc. 66
Reinhart Chemical Corp. 46
Richter, Gedeon, Pharmaceutical Prods., Inc. 50
Robertet, P., Inc. 64
Rosenthal Bercow Co., Inc. 76
Roure-Du Pont, Inc. 64
Rufert Chemical Co. 70

Seldner & Enequist, Inc. 56
Sergeant, E. M., Pulp & Chemical Co. 53
Seydel Chemical Co. 52
Sharples Chemicals Inc. 1
Sheffield Farms Co., Inc. 55
Shell Chemical Corp. 11
Shell Oil Co., Inc. 41
Sloss-Sheffield Steel & Iron Co. 46
Smith Chemical & Color Co., Inc. 76
Snell, Foster D., Inc. 36
Solvay Sales Div., Allied Chemical & Dye Corp. 29
Sonneborn, L., Sons, Inc. 26
Spencer Chemical Co. 36
Standard Specialty & Tube Co. 71
Stauffer Chemical Co. 39
Stein Equipment Co. 73
Sterwin Chemicals, Inc. 62
Strohmeyer & Arpe Co. 70

Tar Residuals, Inc. 46
Tennant, C., Sons, & Co. of N. Y. 39
Tennessee-Eastman Corp. 39, 40
Thompson-Hayward Chemical Co. 40
Thurston & Braidich 62
Todd, A. M., Co. 63
Tombarel Products Corp. 64
Truland Chemical & Engineering Co. 73
Turner, Joseph, & Co. 52

Union Carbide & Carbon Corp., Carbide & Carbon Chemicals Div. 2, 52, 56
Union Standard Equipment Co. 71
U. S. Industrial Chemicals, Inc. 28a, 28b
United States Potash Co., Inc. 42

van Ameringen-Haebler, Inc. 64
Verona Chemical Co. 64
Victor Chemical Works 22

Welch, Holme & Clark Co., Inc. 70
Will & Baumer Candle Co., Inc. 70
Wilson-Martin Div. 69
Woburn Chemical Corp. (N. Y.) 8
Wurster & Sanger, Inc. 70
Wyandotte Chemicals Corp. 14

Young, The J. S., Company 47

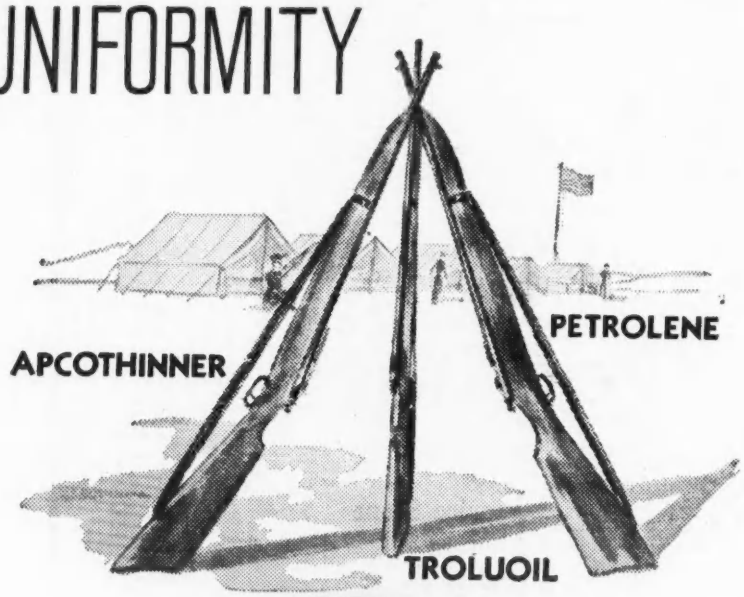
Zinsser & Co., Inc. 39

Ketchum & Co. Buys Out Detroit Drug Wholesaler

Ketchum & Co., New York, has announced the purchase of the assets, name and good will of Lambert & Lowman, Detroit, Mich., wholesale druggists. This Ketchum acquisition is the fourth in recent years, following the purchase in 1945 of E. J. Barry, Inc., New York, in 1948 of The Averbeck Wholesale Drug Company, Youngstown, Ohio, and in March of this year of Milton Drug, Cleveland, Ohio, now operated as Cleveland Wholesale Drug.

Along with the purchase, Ketchum has appointed Robert Fleischer general manager of the Lambert & Lowman unit. According to a company statement, current plans call for providing the Detroit outlet with increased warehouse facilities, a fuller line of products and stepped-up prescription product service. Mr. and Mrs. Louis K. Lambert, former managers, will remain with the company.

UNIFORMITY



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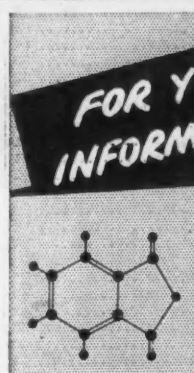

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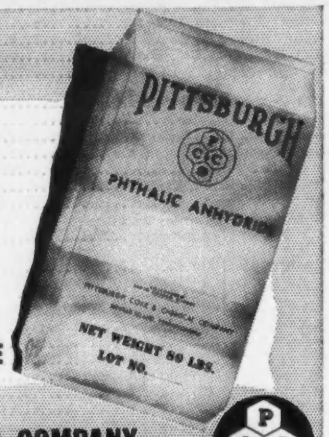

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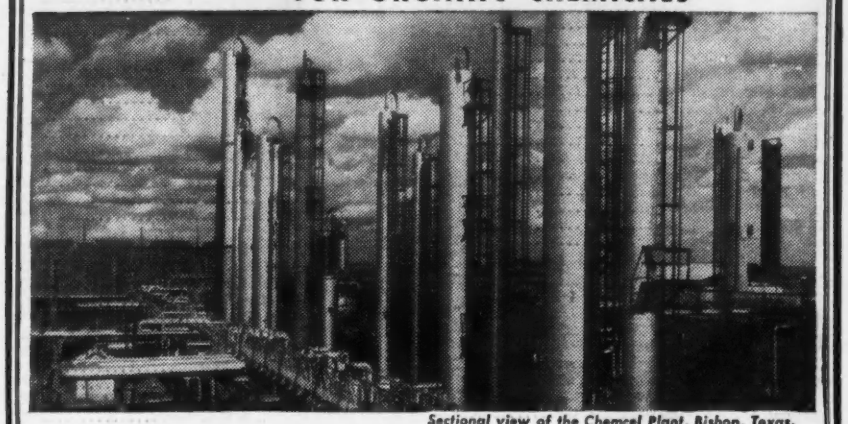

Sectional view of the Chemcel Plant, Bishop, Texas.

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PROPIONALDEHYDE
ACETIC ACID
ACETONE
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